



Three Phase Inverter with Synergy Technology

Quick Installation Guide

PN: SExxK-xxxxlxxxx

DE	NL	FR	IT
SP	PL	SE	HU
CZ	TR	CHT	

For Europe, APAC
and South Africa
Version 1.3

Scan for full
installation guide



Legend



NOTE

This symbol denotes information intended to assist the user in making optimum use of the product.



CAUTION!

Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in damage or destruction of the product. Do not proceed beyond a caution sign until the indicated conditions are fully understood and met.



WARNING!

Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.



Do not cut cable connectors



This symbol appears at grounding points on the SolarEdge manuals and equipment.



Turn ON/OFF the main circuit board AC switch and wait 5 minutes



Turn ON/OFF the DC Safety Switch on Synergy Manager and wait 5 minutes
(Applicable only for models with DC Safety Switch)

SAVE THESE INSTRUCTIONS – This guide contains important instructions for the Three Phase Inverter with Synergy Technology that should be followed during installation and maintenance. Using this equipment in a manner not specified in this guide by SolarEdge may impair the protection provided by this equipment.

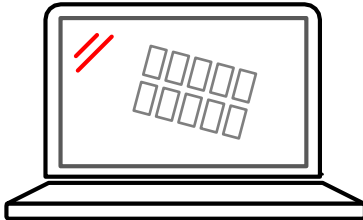
Installing the Power Optimizers

1

1 → 2 → 3 → 4 → 5 → 6

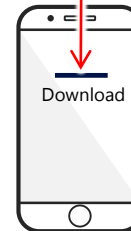
1

Use SolarEdge Designer
to design SE system
<https://designer.solaredge.com>



2

Download SolarEdge Mapper
to map string Power Optimizers



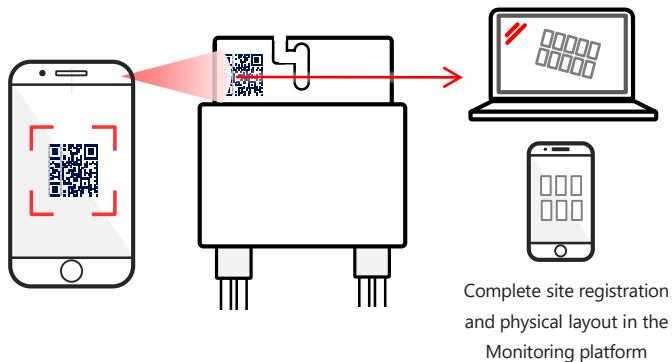
1

Installing the Optimizers

1 → 2 → 3 → 4 → 5 → 6

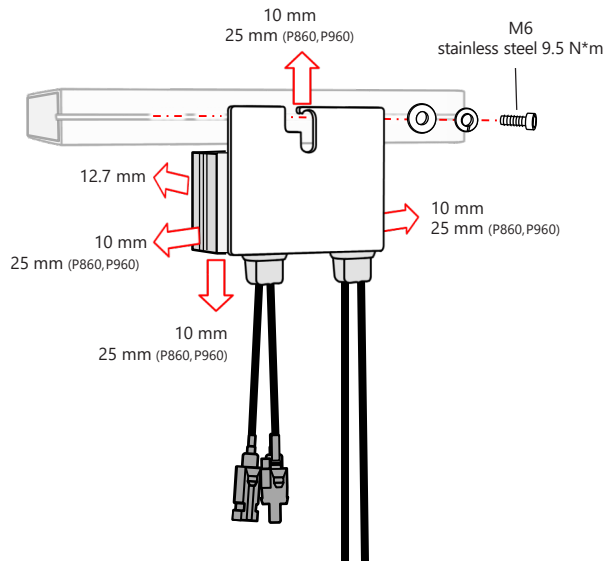
3

Scan QR code using Mapper



4

Install Power Optimizer



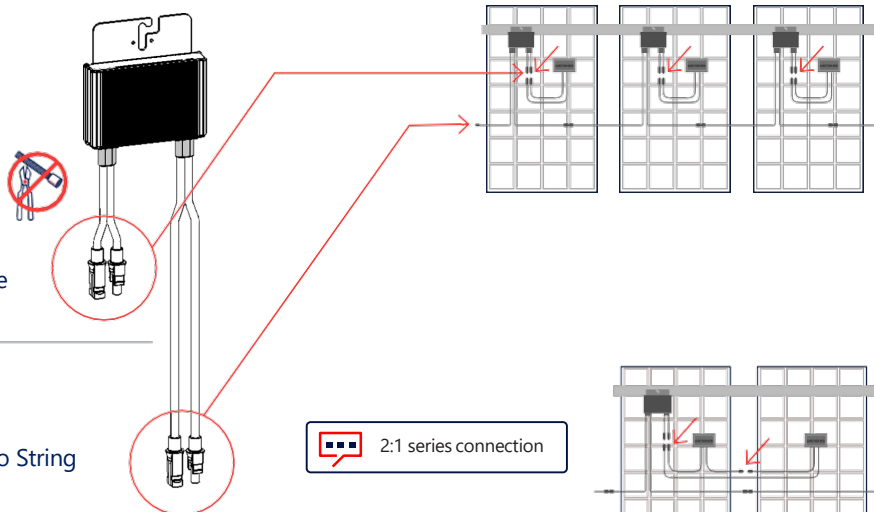
Installing the Power Optimizers

1

① → ② → ③ → ④ → ⑤ → ⑥

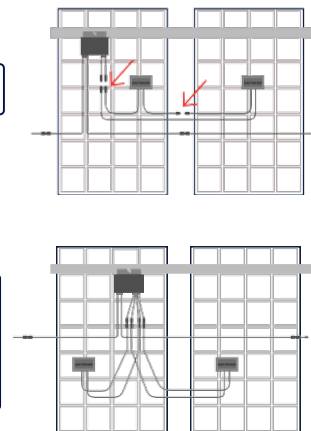
⑤ Connect input from Module

⑥ Connect output to String



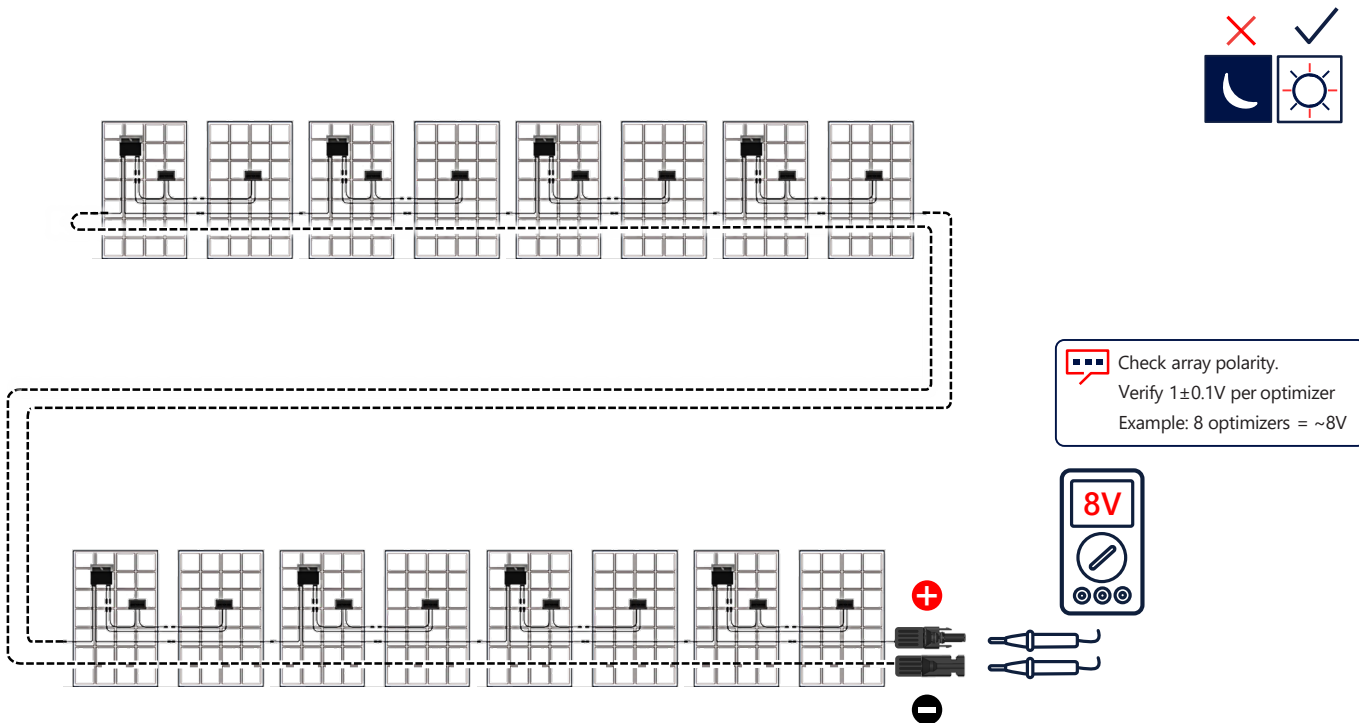
2:1 series connection

Use a dual input optimizer (P800p) for parallel connection of two PVs or use a branch cable to connect two PVs to a single input optimizer

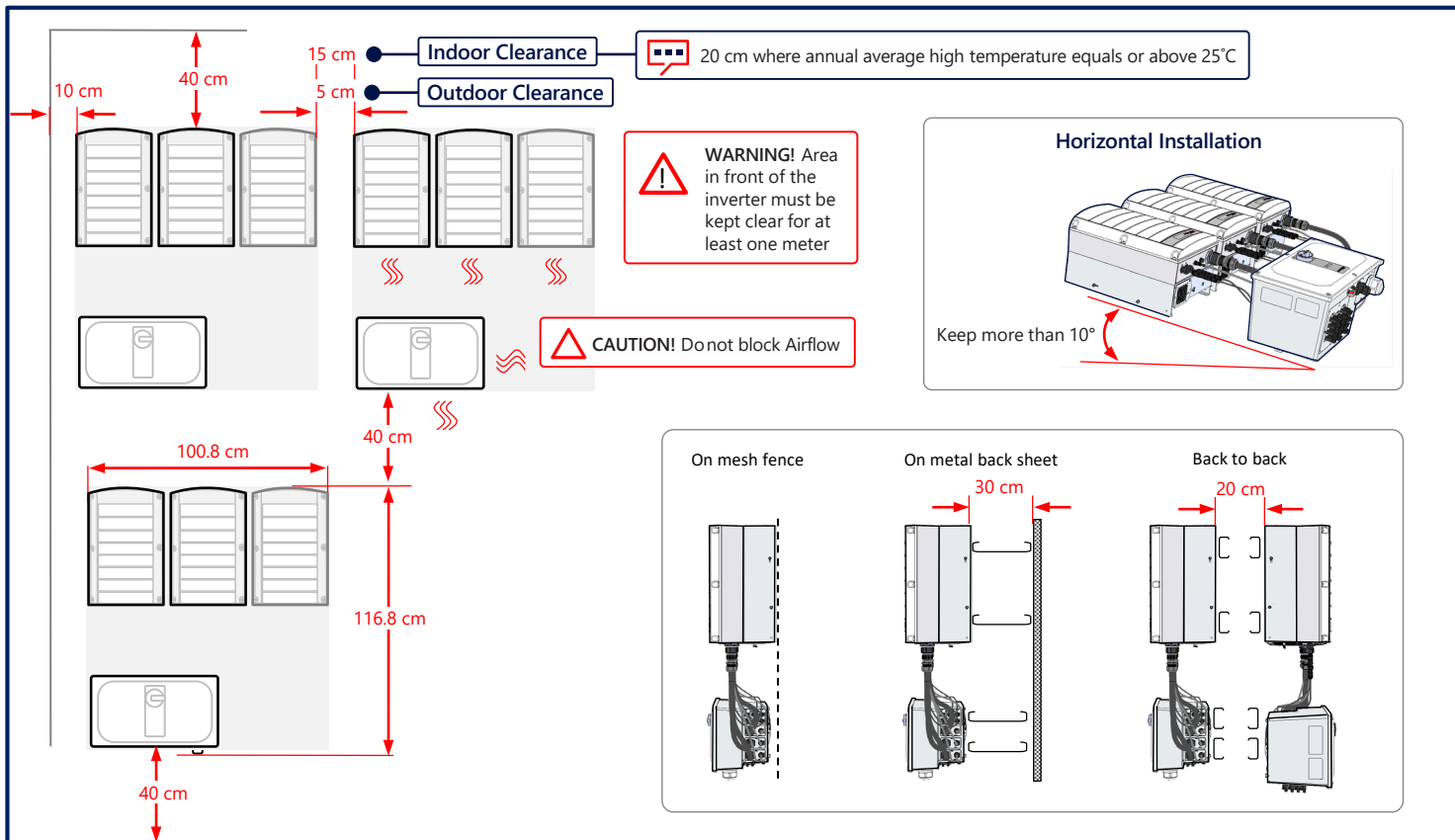


2

Connecting the PV Array

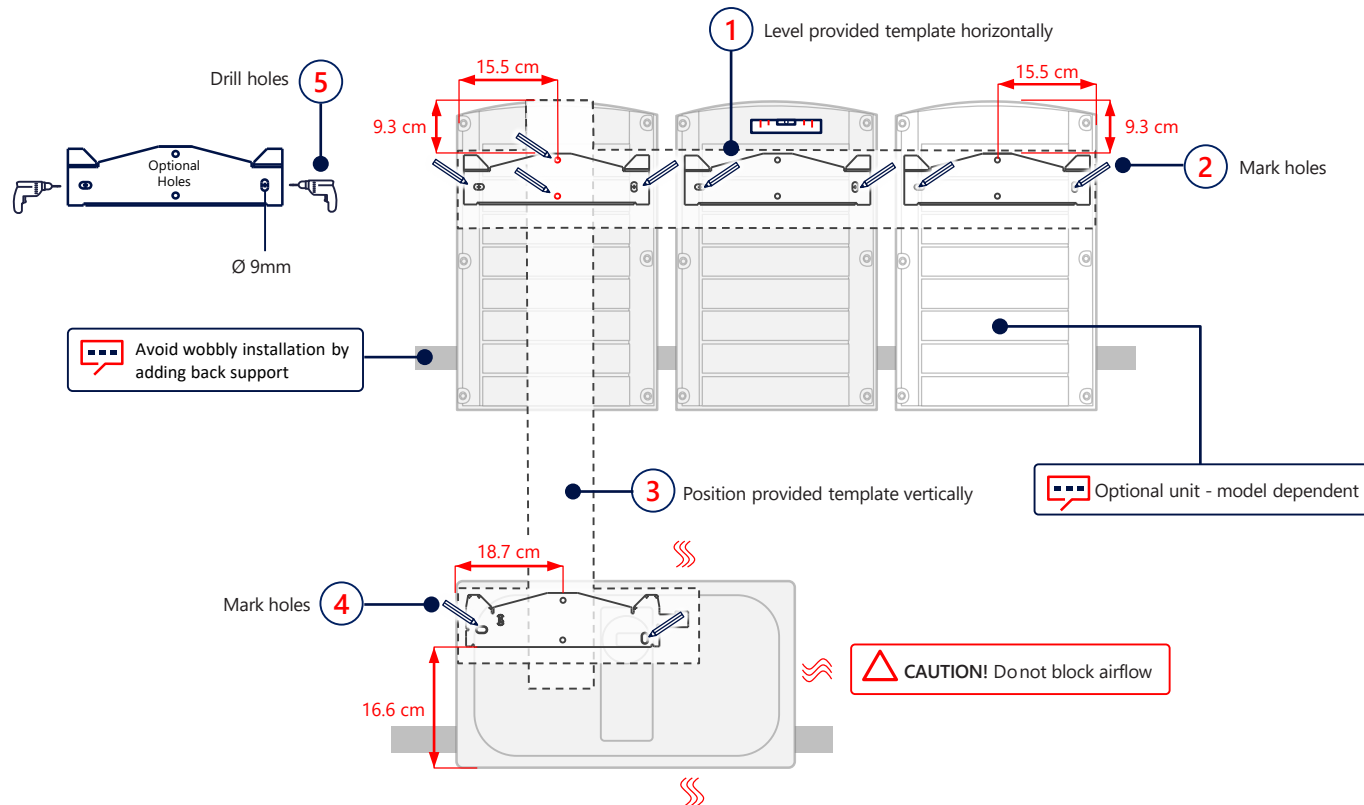


Maintaining Clearance



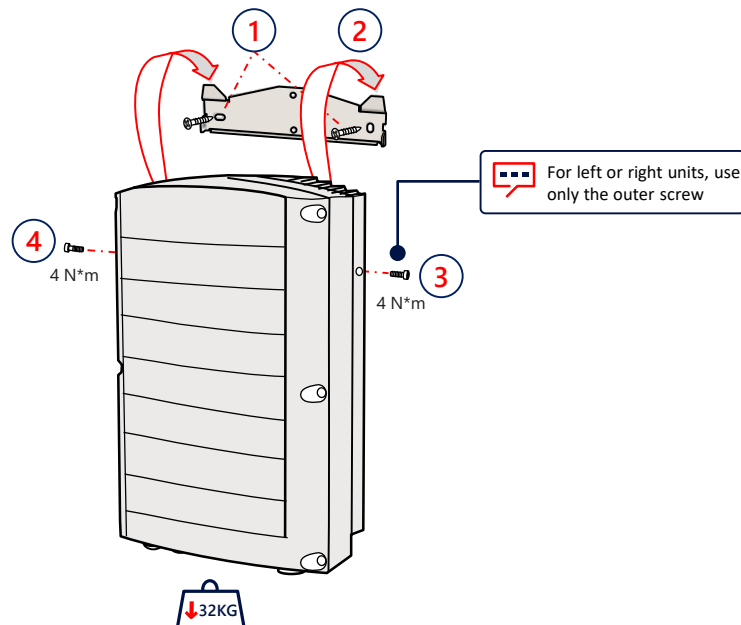
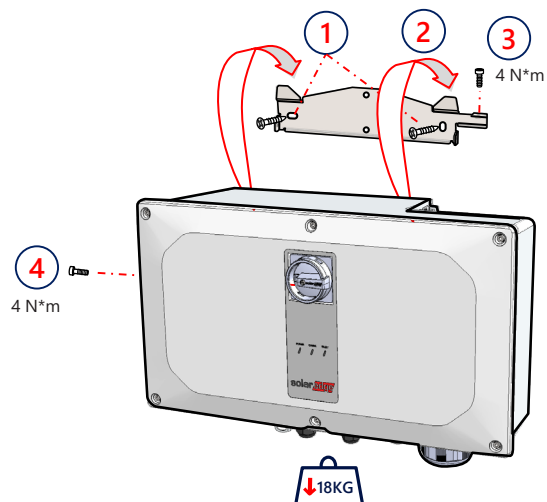
4

Marking & Drilling Holes



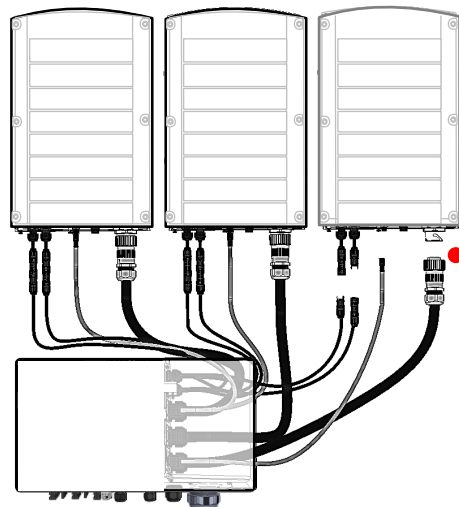
Mounting the Units

5

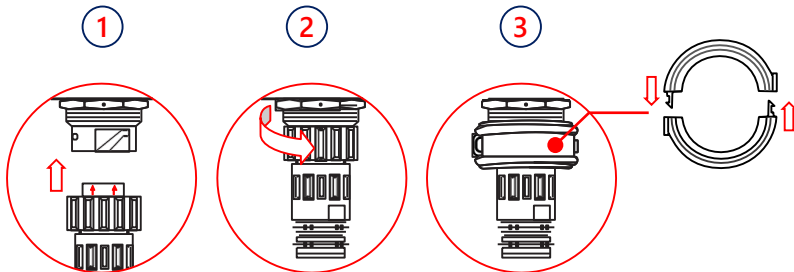


6

Connecting Interconnection Cables



Connect cables according to labels

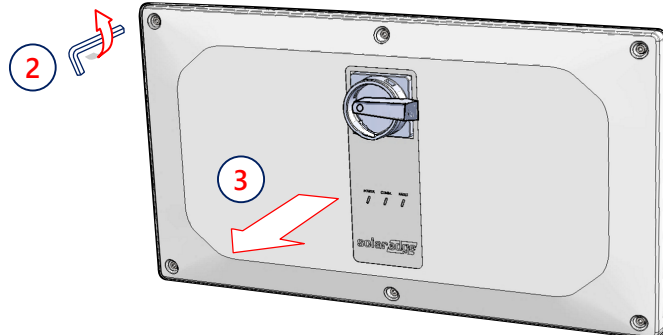
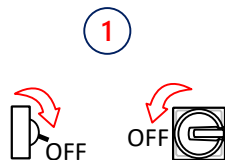


 **CAUTION!** Do not block airflow



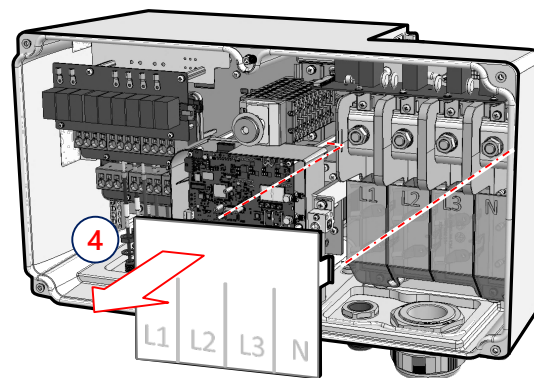
Removing Covers

7



WARNING

DISCONNECT POWER BEFORE BEGINNING INSTALLATION



8

Connecting PV Strings

Synergy Units

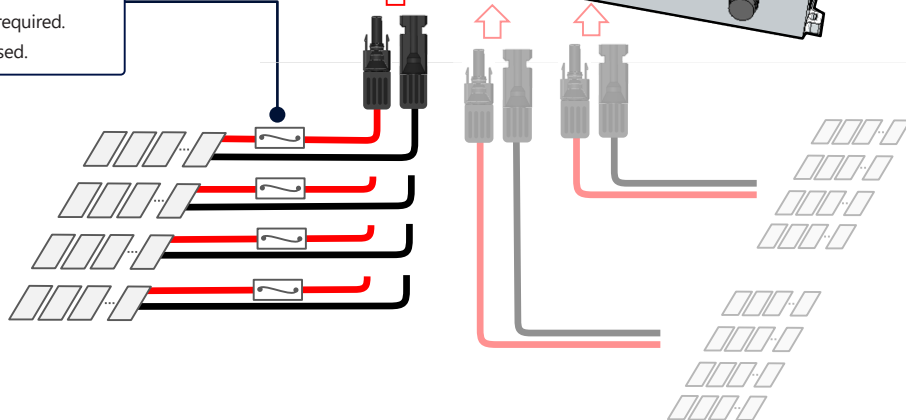
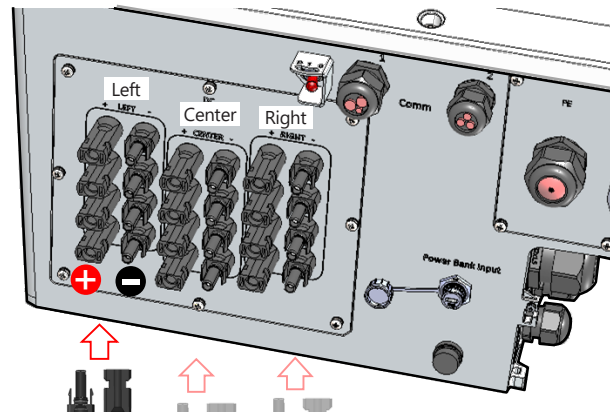
Left Center Right



Keep unused connectors covered



Important: When installing a system with more than 3 strings per a single Synergy Unit (whether connected directly or via a combiner box), fuses are required. In SolarEdge system, 25A fuses shall be used.

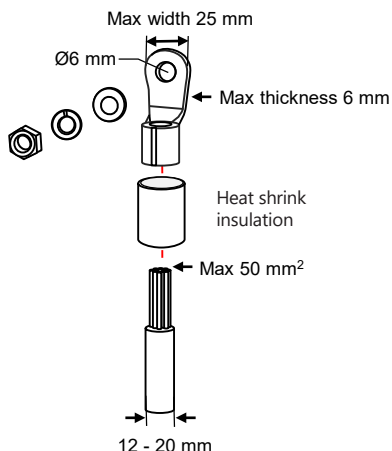


Connecting PV Strings via Single DC Input



CAUTION!

- For aluminum wires, **USE ONLY** Bi-metal lugs
- For copper wires, **USE ONLY** copper tin-plated lugs

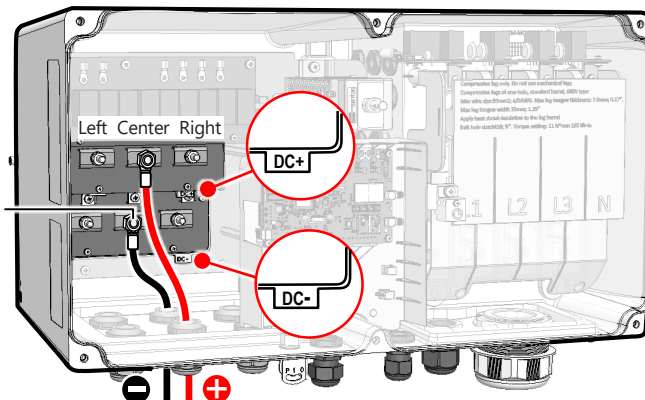


Synergy Units

Left Center Right



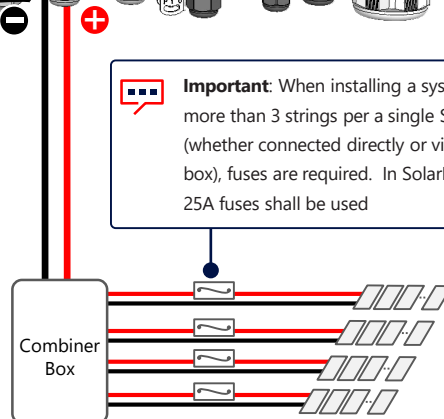
5.7 N*m



Important: When installing a system with more than 3 strings per a single Synergy Unit (whether connected directly or via a combiner box), fuses are required. In SolarEdge system, 25A fuses shall be used



Functional electrical earthing of DC-side negative or positive pole is prohibited because the inverter has no transformer. Grounding (earth ground) of module frames and mounting equipment of the PV array modules is acceptable

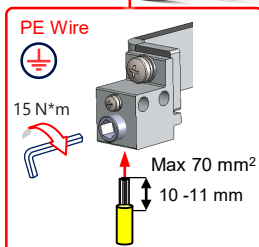
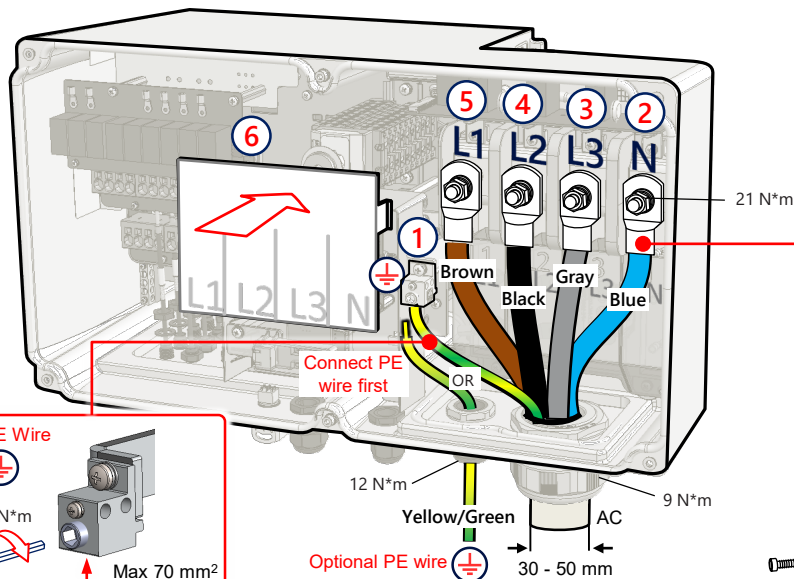


9

Connecting AC and Protective Earth (PE)

The inverter can either support 4 wire + PE or 3 wire + PE connection

Overcurrent protection for the AC output must be provided by others, see manual for guidance

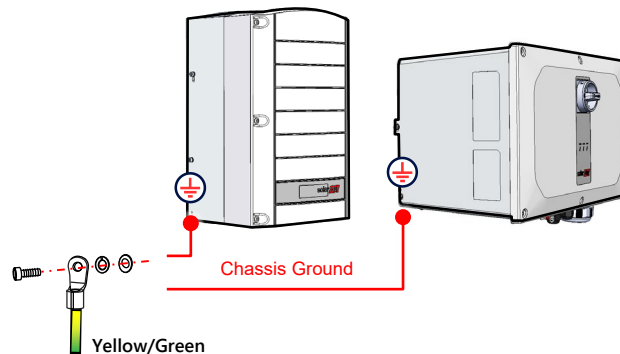
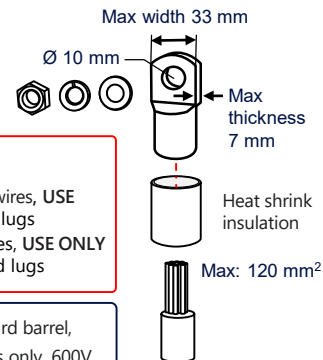


When using a stranded wire, use of ferrule is at the installer discretion

CAUTION!

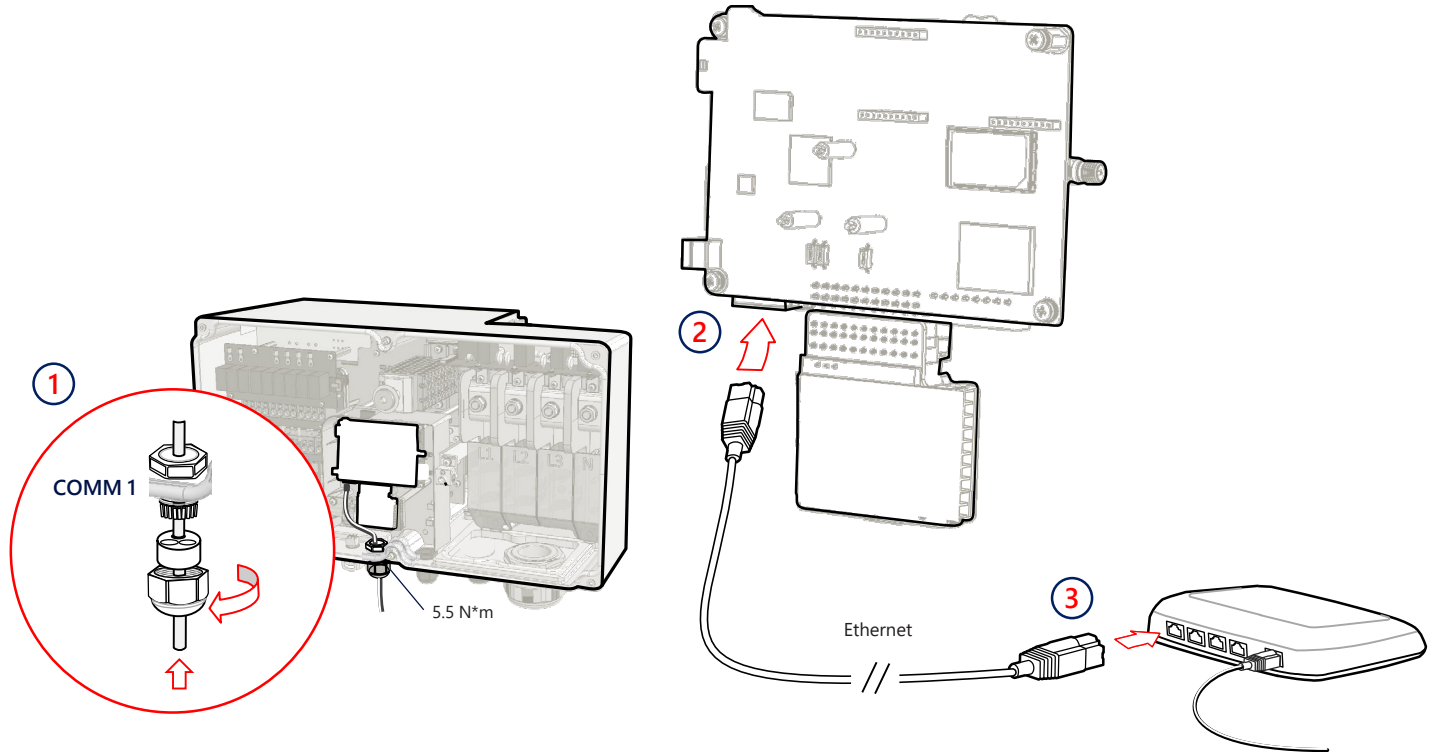
- For aluminum wires, USE ONLY aluminum lugs
- For copper wires, USE ONLY copper tin-plated lugs

One-hole, standard barrel, compression lugs only, 600V



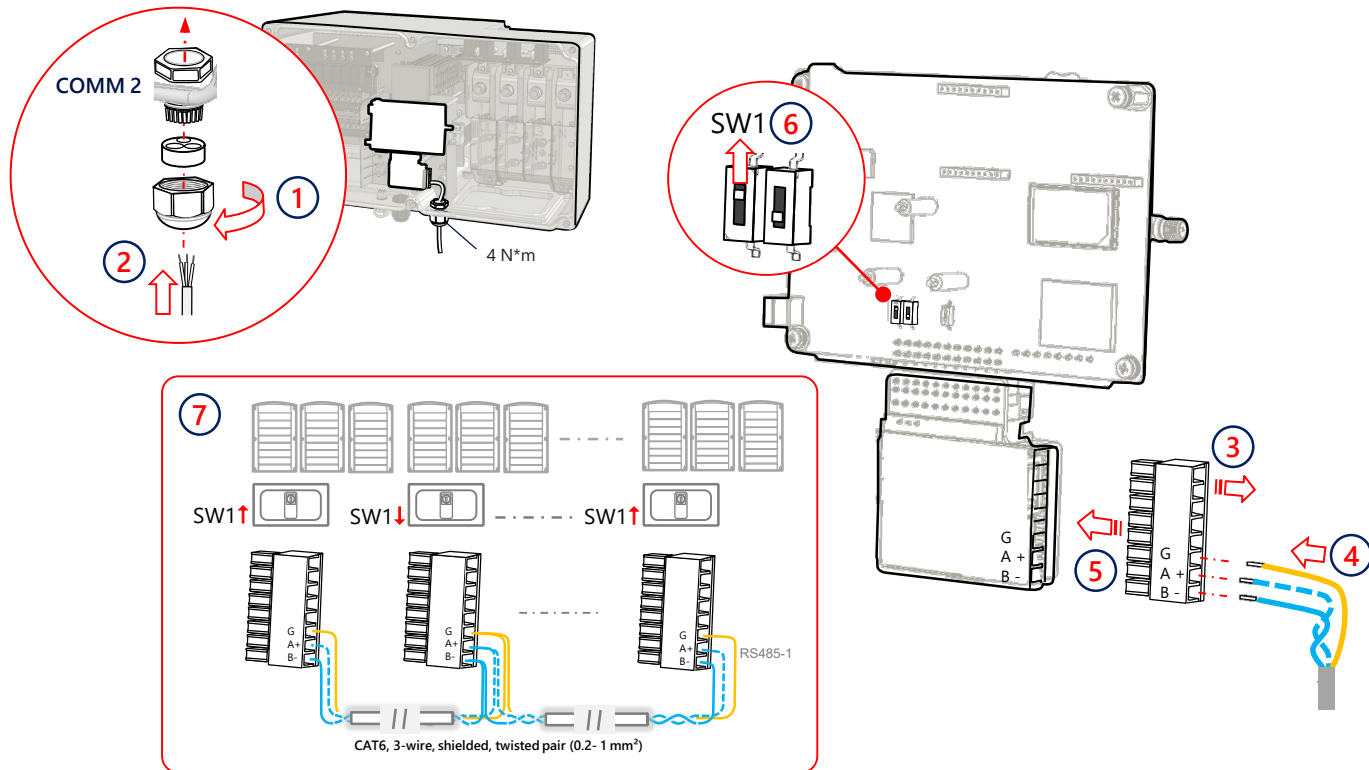
LAN Communication

10



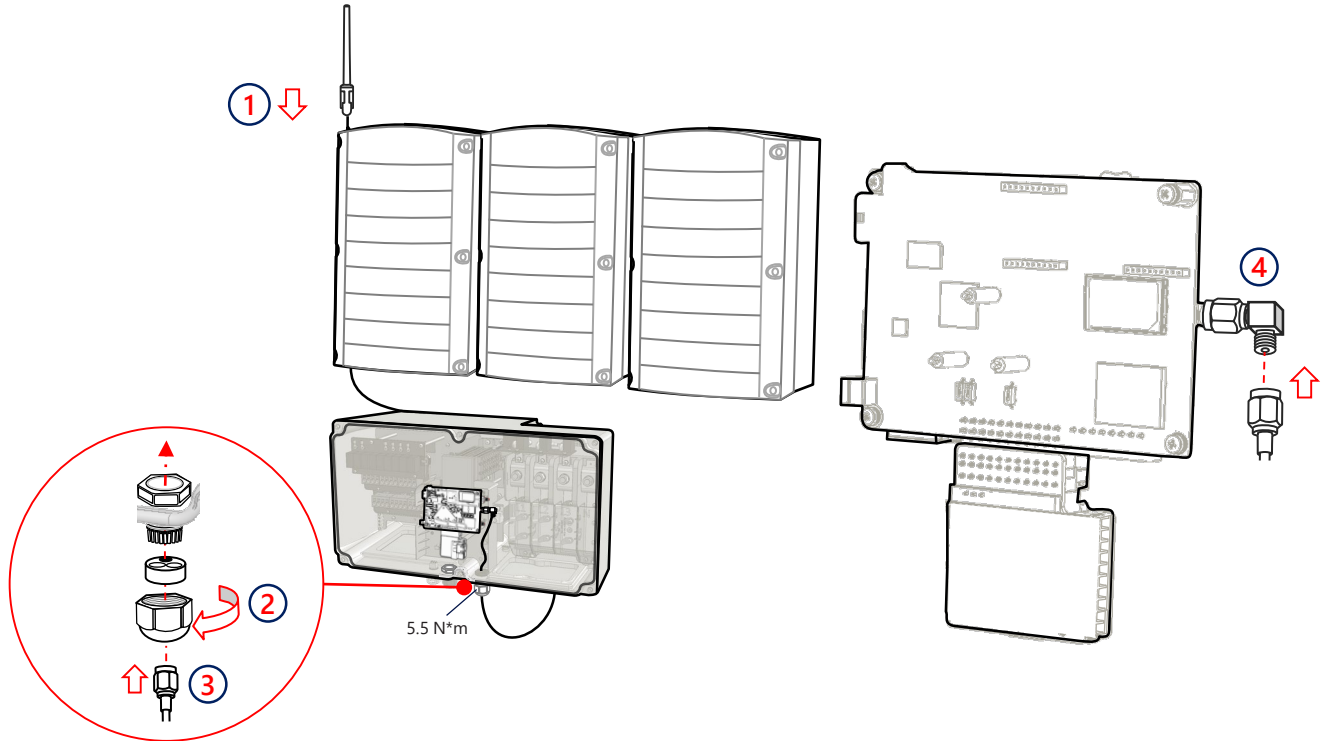
11

RS485 Connection of Multiple Inverters



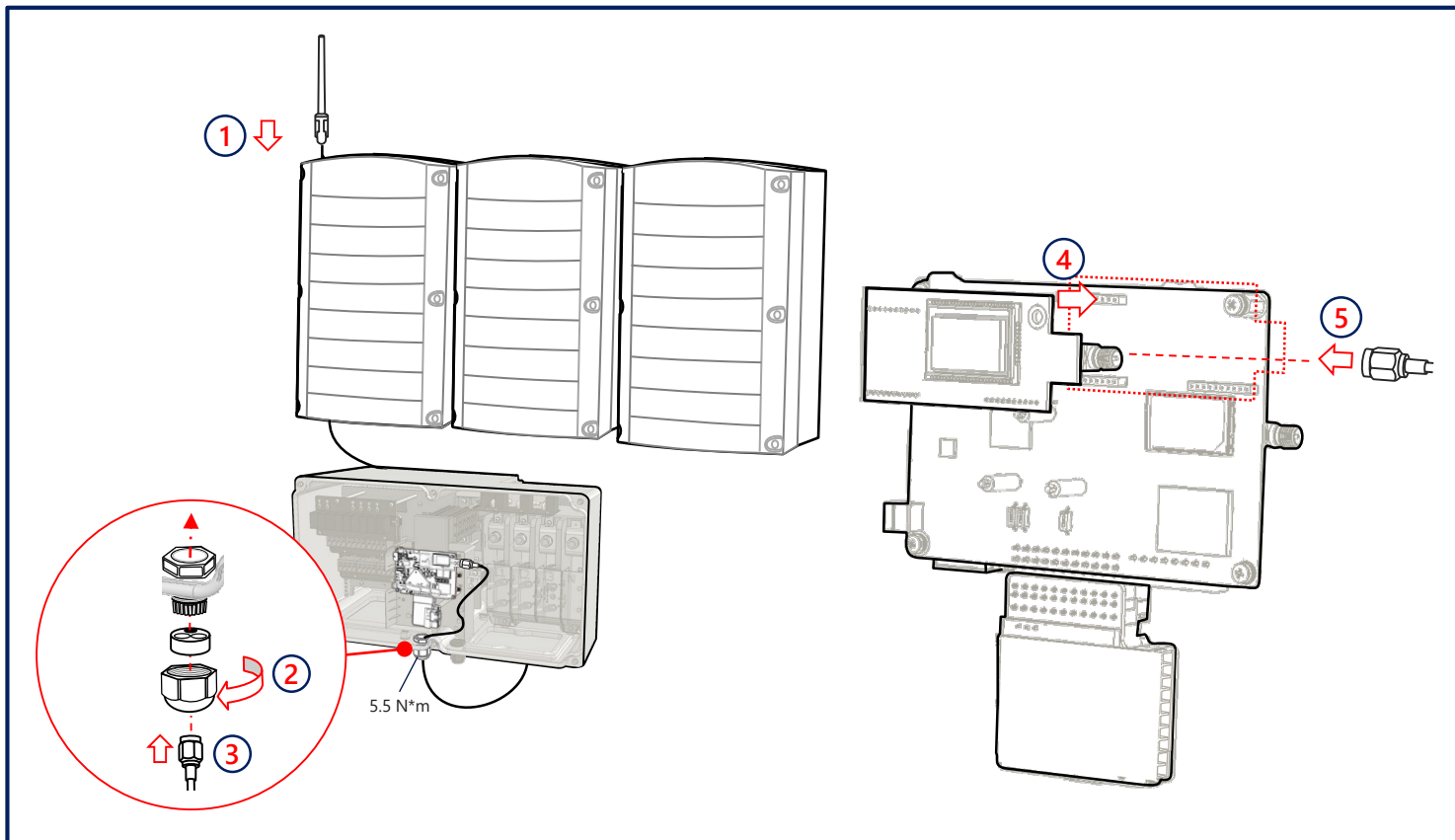
Connecting Wi-Fi Communication (Optional)

12



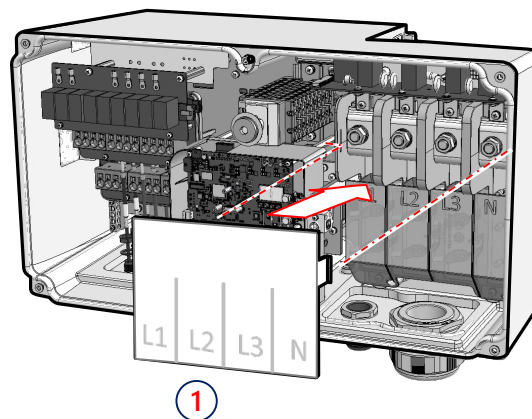
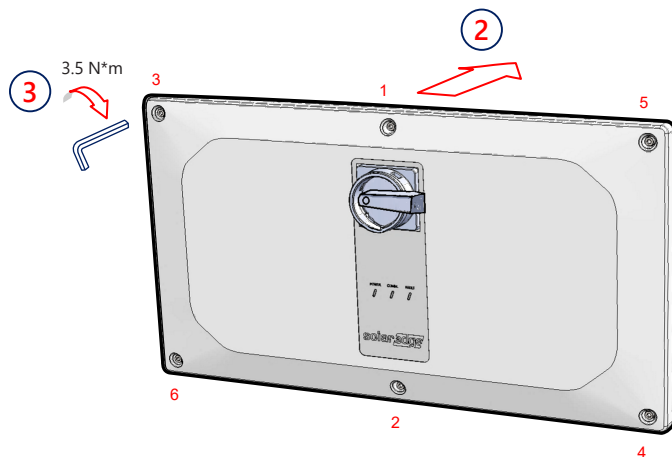
13

Connecting Cellular Communication (Optional)



Installing Covers

14



15 Pre-commissioning when AC Power is Not Connected (Option 1)

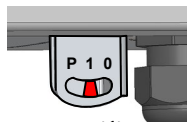
①

Download
SolarEdge SetApp



②

Turn ON (1) DC Switch

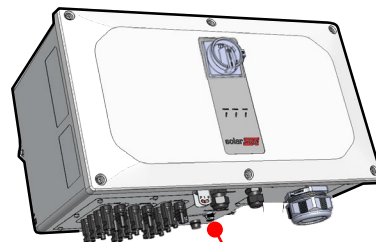


ON (1)



③

Connect Power Bank



Power bank: 60W
output port , USB-C
Power Delivery (PD):
20V 3A



Cover connector
when not used

1 meter, male to male, USB-C (not provided)

④

Start & follow SetApp



Commissioning with DC and AC Power (Option 2)

16

①

Download
SolarEdge SetApp



②

Turn on Power



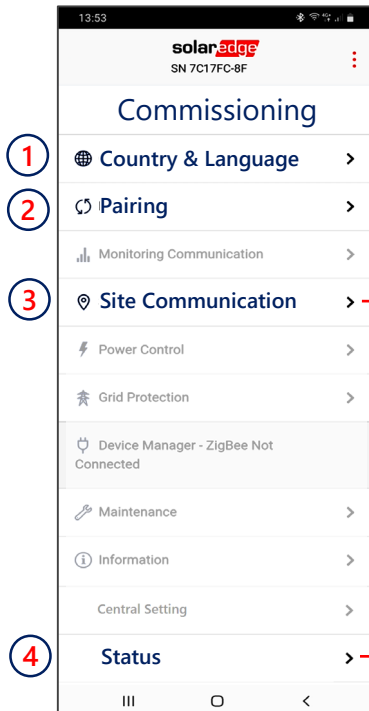
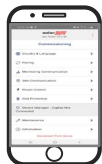
③

Start and follow SetApp



17

Commissioning the Leader Inverter



RS485-1 → Protocol → SolarEdge → Solaredge Leader
 RS485-1 → Follower Detect

Site		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Inverter SN 07318000C		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Inverter Units		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

LED Indications

18

POWER COMM FAULT

Green

Blue

Red



System is producing Power



AC is connected but the system is not producing power



Inverter is communicating with the Monitoring platform



System error



Support Contact Information

If you have technical problems concerning SolarEdge products, please contact us:

<https://www.solaredge.com/service/support>

Subject to change without notice.

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MAN-01-00784-1.3



Dreiphasen- Wechselrichter mit Synergie-Technologie

Installationsanleitung (Kurzfassung)

PN: SExxK-xxxxlxxxx

Für Europa, den
asiatisch-pazifischen
Raum und Südafrika
Version 1.3

Legende



HINWEIS

Dieses Symbol weist auf Informationen hin, die den Nutzer bei der optimalen Nutzung des Produkts unterstützen sollen.



ACHTUNG!

Signalisiert eine Gefahr. Dieses Symbol warnt Sie bei Vorgängen, bei denen möglicherweise das Gerät beschädigt wird, wenn sie nicht korrekt oder ungenau ausgeführt werden. Arbeiten Sie bei einem Warnhinweis nicht weiter, bevor Sie den erläuterten Sachverhalt genau verstanden und die entsprechenden Maßnahmen ergriffen haben.



WARNUNG!

Signalisiert eine Gefahr. Dieses Symbol warnt Sie bei Vorgängen, bei denen Verletzungs- oder Lebensgefahr besteht, wenn sie nicht korrekt oder ungenau ausgeführt werden. Arbeiten Sie bei einem Gefahrenhinweis nicht weiter, bevor Sie den erläuterten Sachverhalt genau verstanden und die entsprechenden Maßnahmen ergriffen haben.



Steckverbinder nicht abschneiden.



Das Symbol kennzeichnet Erdungspunkte in den Anleitungen und den Geräten von SolarEdge.



Schalten Sie den AC-Schalter am Hauptverteiler EIN/AUS und warten Sie 5 Minuten.



Schalten Sie den DC-Sicherheitschalter EIN/AUS und warten Sie 5 Minuten.
(Gilt nur für Modelle mit DC-Sicherheitschalter)

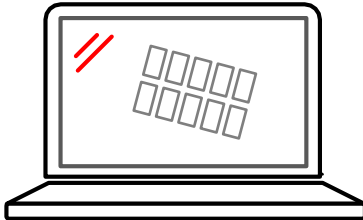
Installieren der Optimierer

1

1 → 2 → 3 → 4 → 5 → 6

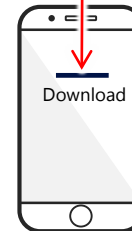
1

Verwenden Sie den SolarEdge Designer zur Auslegung von SolarEdge Systemen
<https://designer.solaredge.com>



2

Laden Sie sich zum Zuordnen der Leistungsoptimierer den SolarEdge Mapper herunter.

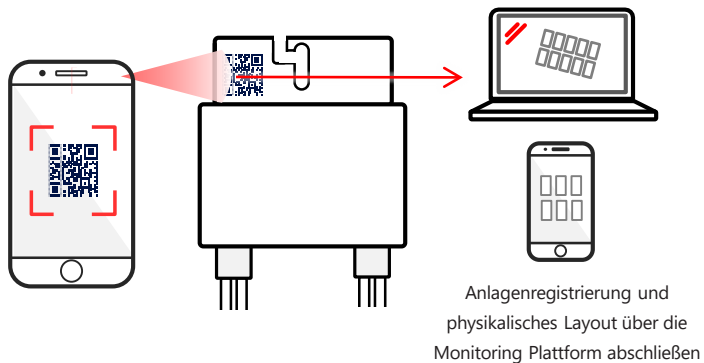


Installieren der Optimierer

1 → 2 → 3 → 4 → 5 → 6

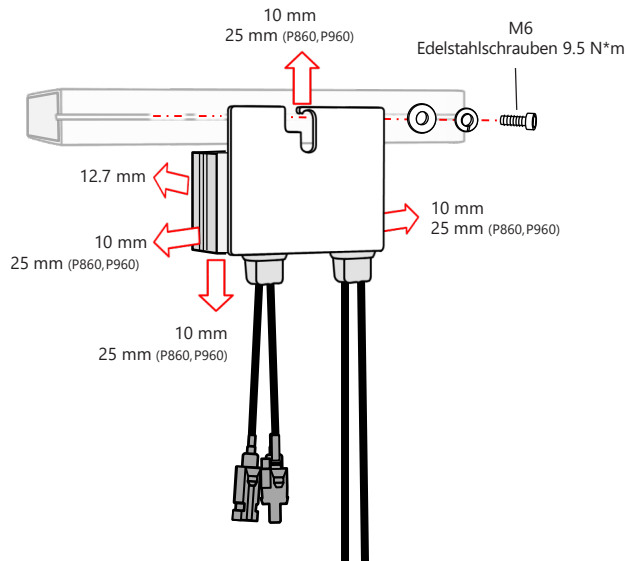
3

QR-Code mit dem Mapper scannen



4

Leistungsoptimierer installieren



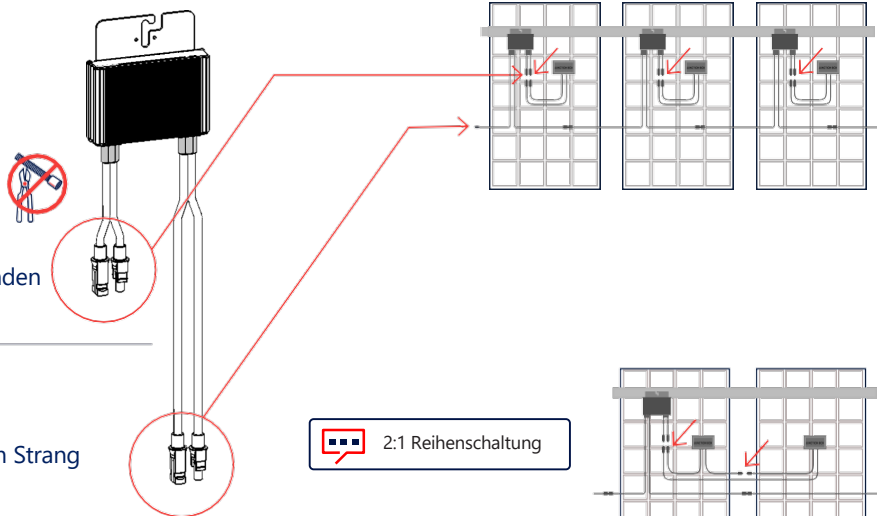
Installieren der Optimierer

1

① → ② → ③ → ④ → ⑤ → ⑥

⑤ Eingang vom Modul verbinden

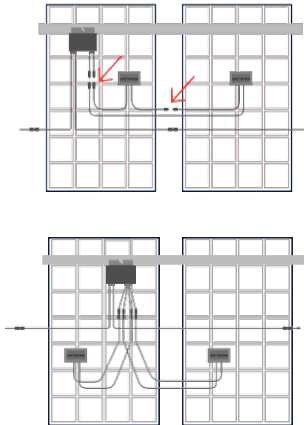
⑥ Ausgang mit dem Strang verbinden



2:1 Reihenschaltung

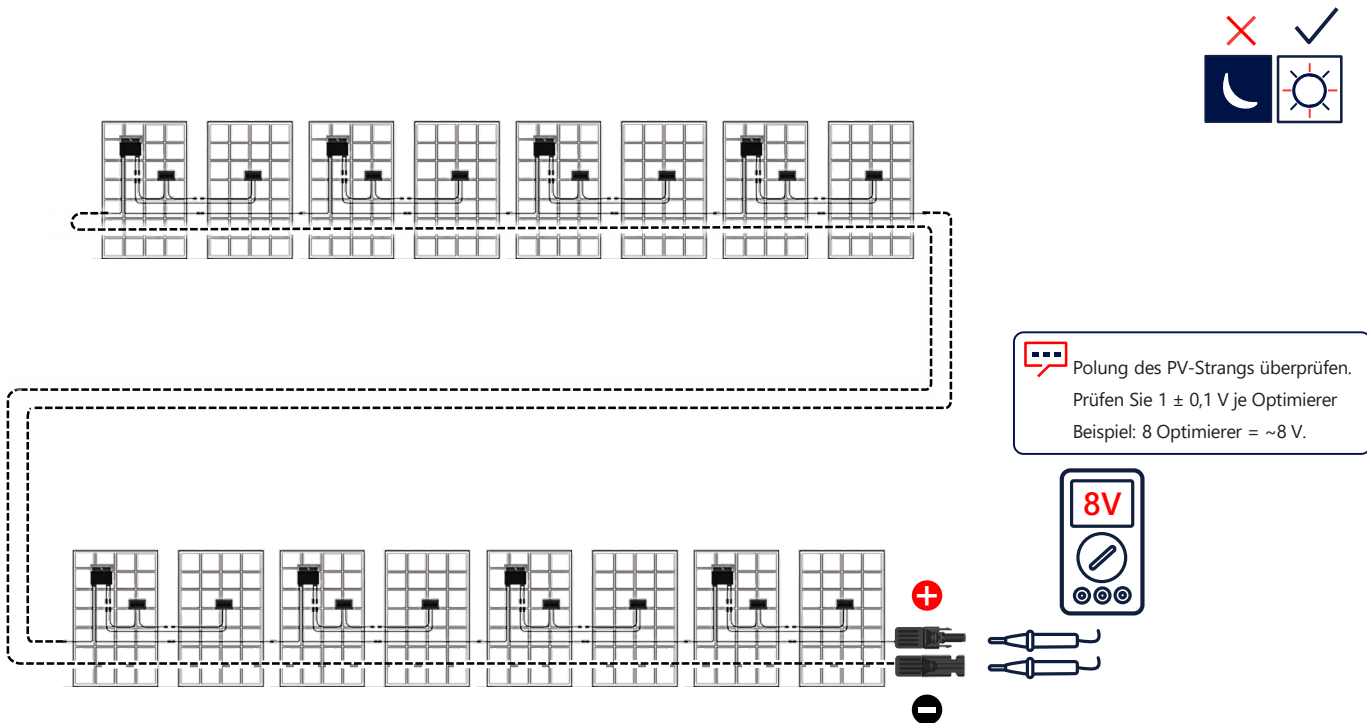


Verwenden Sie für eine Parallelverbindung zweier Module einen Dual-Optimierer (P800p), oder verwenden Sie ein Verzweigungskabel, um zwei Module an einen Leistungsoptimierer mit einem Eingang anzuschließen.



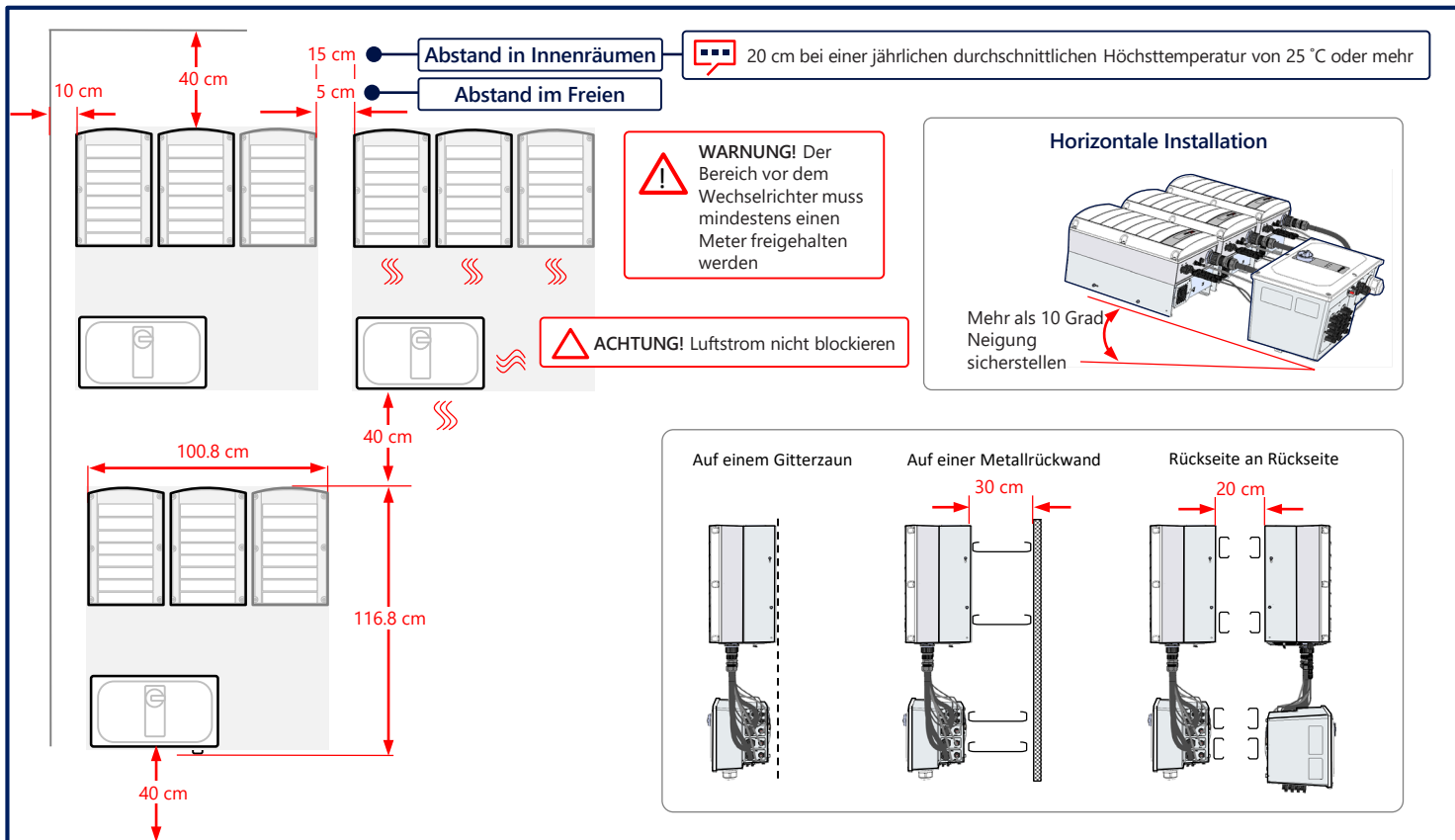
2

Anschließen des PV-Strangs



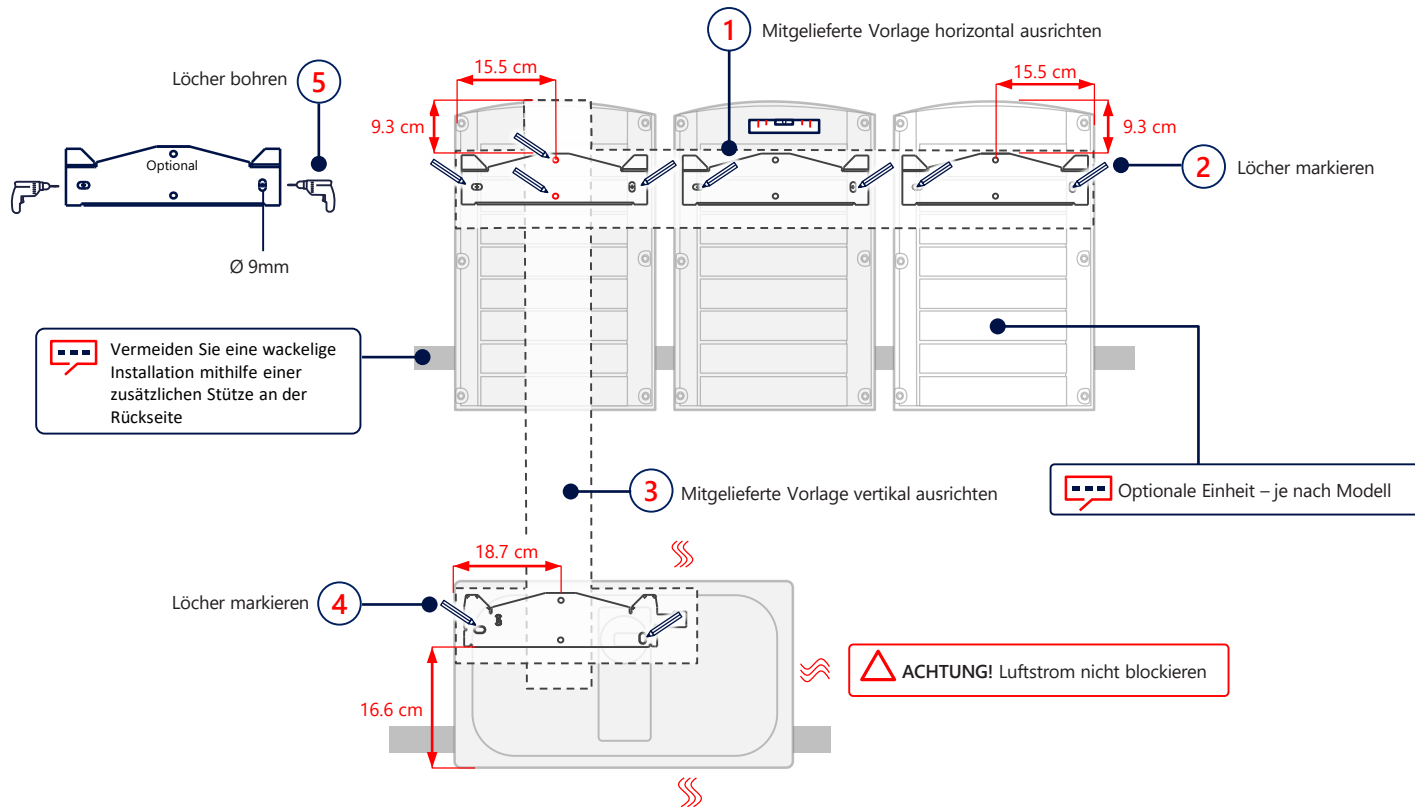
Abstände einhalten

3



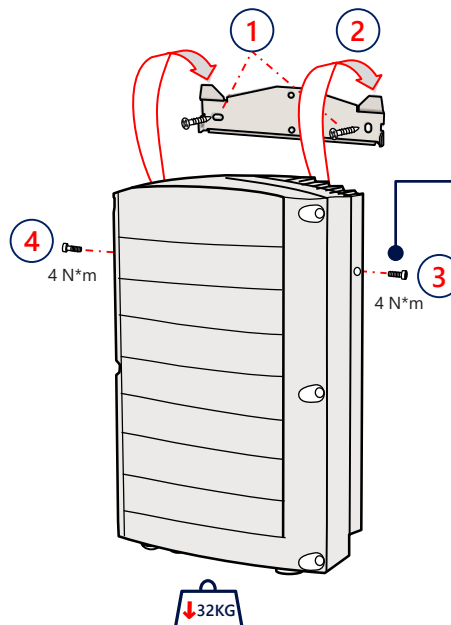
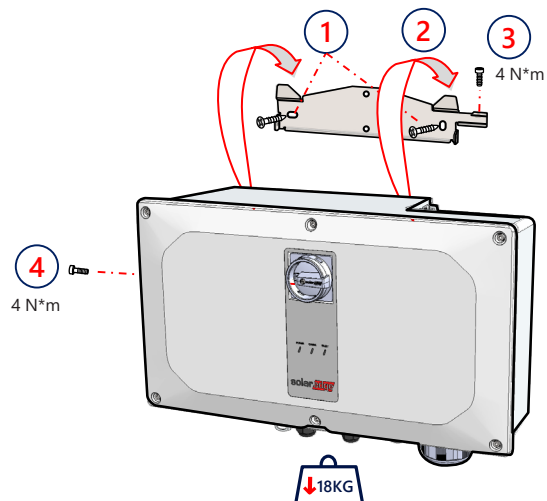
4

Markieren und Bohren von Löchern



Montieren der Einheiten

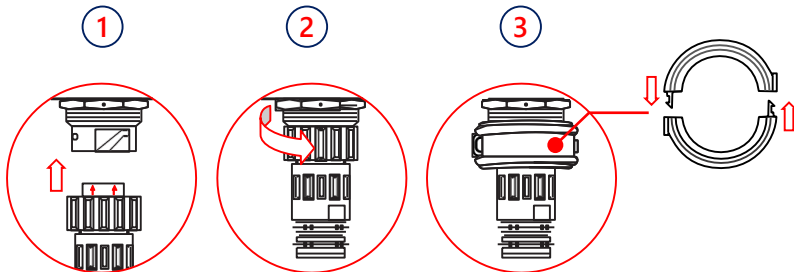
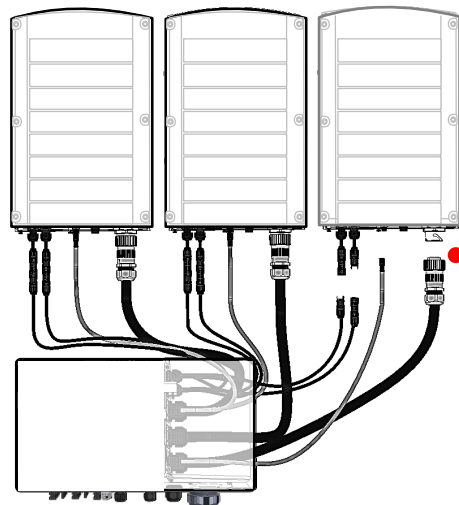
5



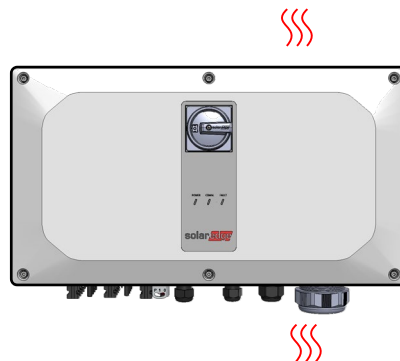
Verwenden Sie bei der linken oder rechten Einheit nur die äußere Schraube

6

Anschließen der Verbindungs-Kabel



 Kabel entsprechend der Beschriftung anschließen

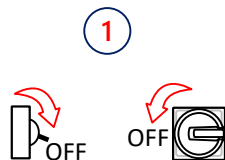


 **ACHTUNG!** Luftstrom nicht blockieren



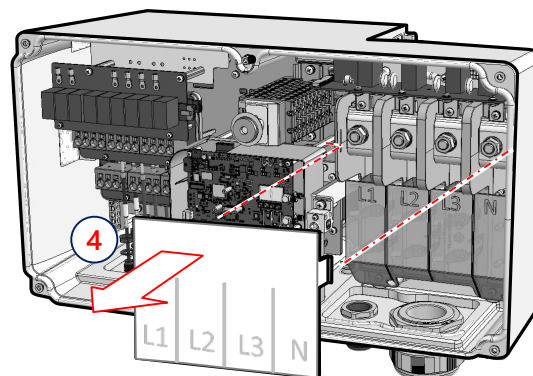
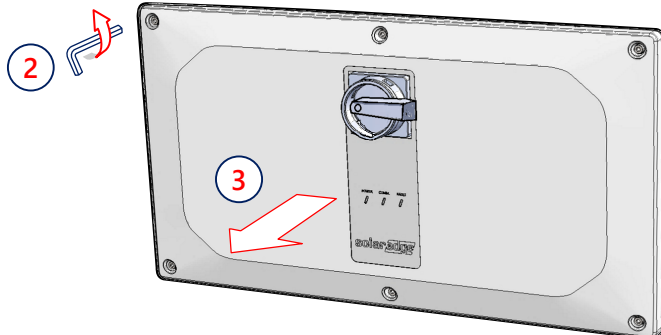
Entfernen der Abdeckungen

7



WARNUNG

VOR BEGINN DER INSTALLATION DIE STROMVERSORUNG UNTERBRECHEN



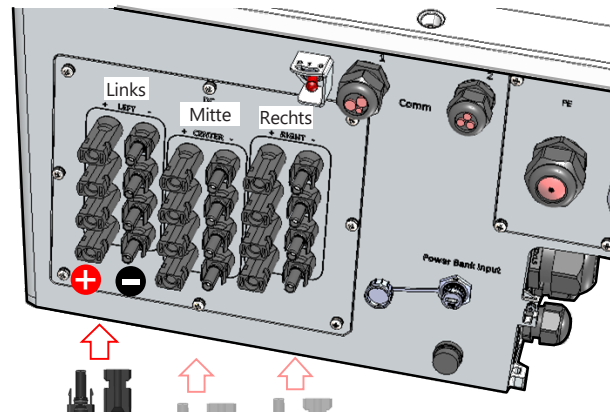
Anschließen der PV-Stränge

Synergie-Einheiten

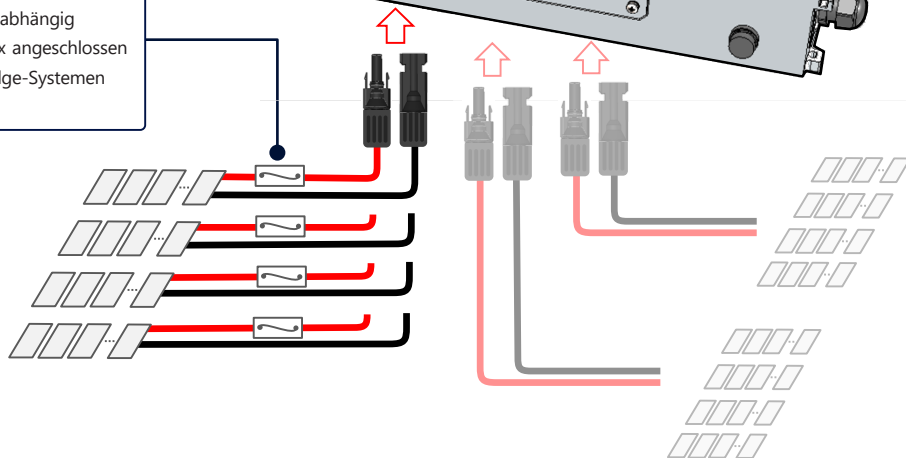
Links Mitte Rechts



Unbenutzte Anschlüsse verschlossen halten



Wichtig: Bei der Installation eines Systems mit mehr als 3 Strängen pro einer einzelnen Synergie-Einheit (unabhängig davon, ob sie direkt oder über eine Combiner-Box angeschlossen wurden) sind Sicherungen erforderlich. In SolarEdge-Systemen müssen 25A Sicherungen verwendet werden.

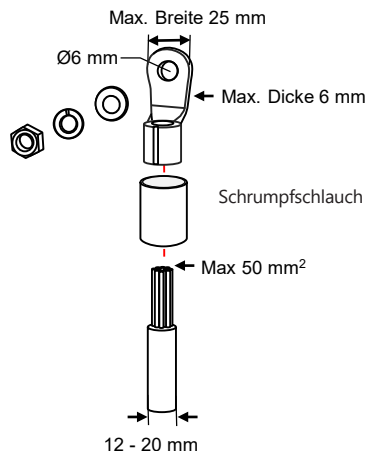


Anschluss von PV-Strängen über einen einzelnen DC-Eingang



ACHTUNG!

- Bei Aluminiumleitungen AUSSCHLIESSLICH Bimetall-Kabelschuhe verwenden
- Bei Kupferleitungen NUR Kabelschuhe aus verzinnem Kupfer VERWENDEN.

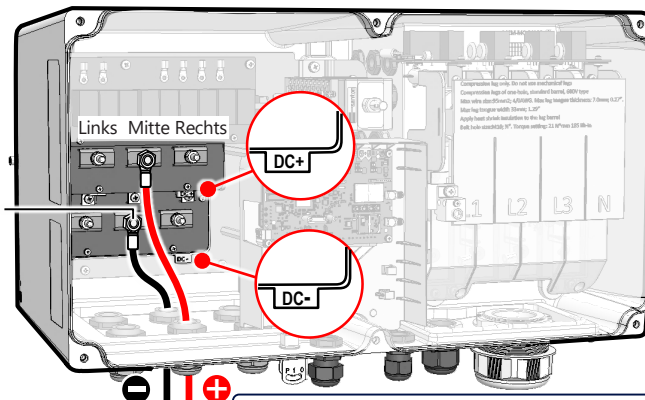


Synergie-Einheiten

Links Mitte Rechts



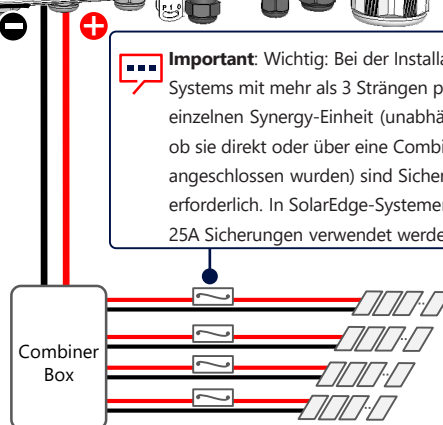
5.7 N*m



Important: Wichtig: Bei der Installation eines Systems mit mehr als 3 Strängen pro einer einzelnen Synergie-Einheit (unabhängig davon, ob sie direkt oder über eine Combiner-Box angeschlossen wurden) sind Sicherungen erforderlich. In SolarEdge-Systemen müssen 25A Sicherungen verwendet werden.



Die elektrische Funktionserdung des DC-seitigen Minus- oder Pluspols ist verboten, da der Wechselrichter keinen Transformator besitzt. Die Erdung (Masse) von Modulrahmen und Montageausrüstung der PV-Generatormodule ist zulässig.

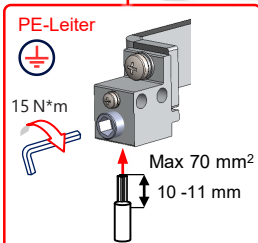
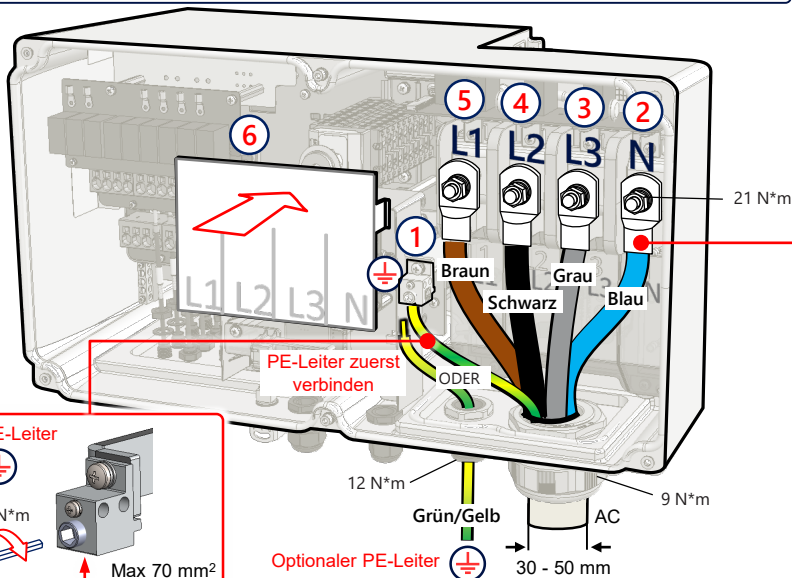


9

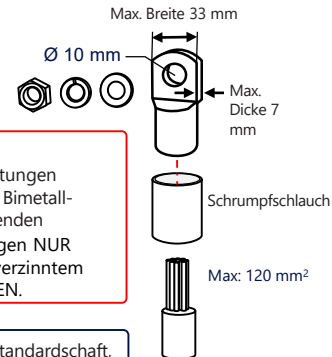
Anschließen von AC und Schutzerdung (PE)

Der Wechselrichter kann entweder 4 Kabel + PE oder 3 Kabel + PE-Anschluss unterstützen.

Der Überstromschutz für den AC-Ausgang muss bauseitig bereitgestellt werden, weitere Informationen sind dem Handbuch zu entnehmen.



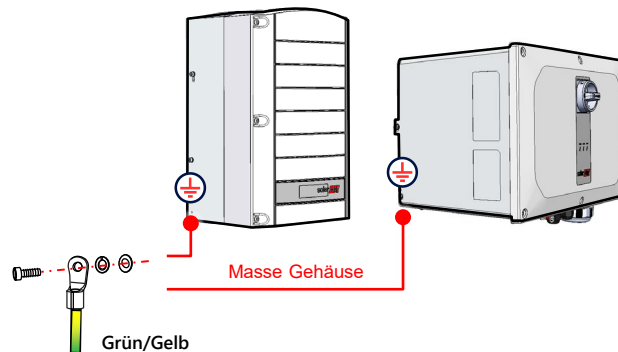
When using a stranded wire, use of ferrule is at the installer discretion



ACHTUNG!

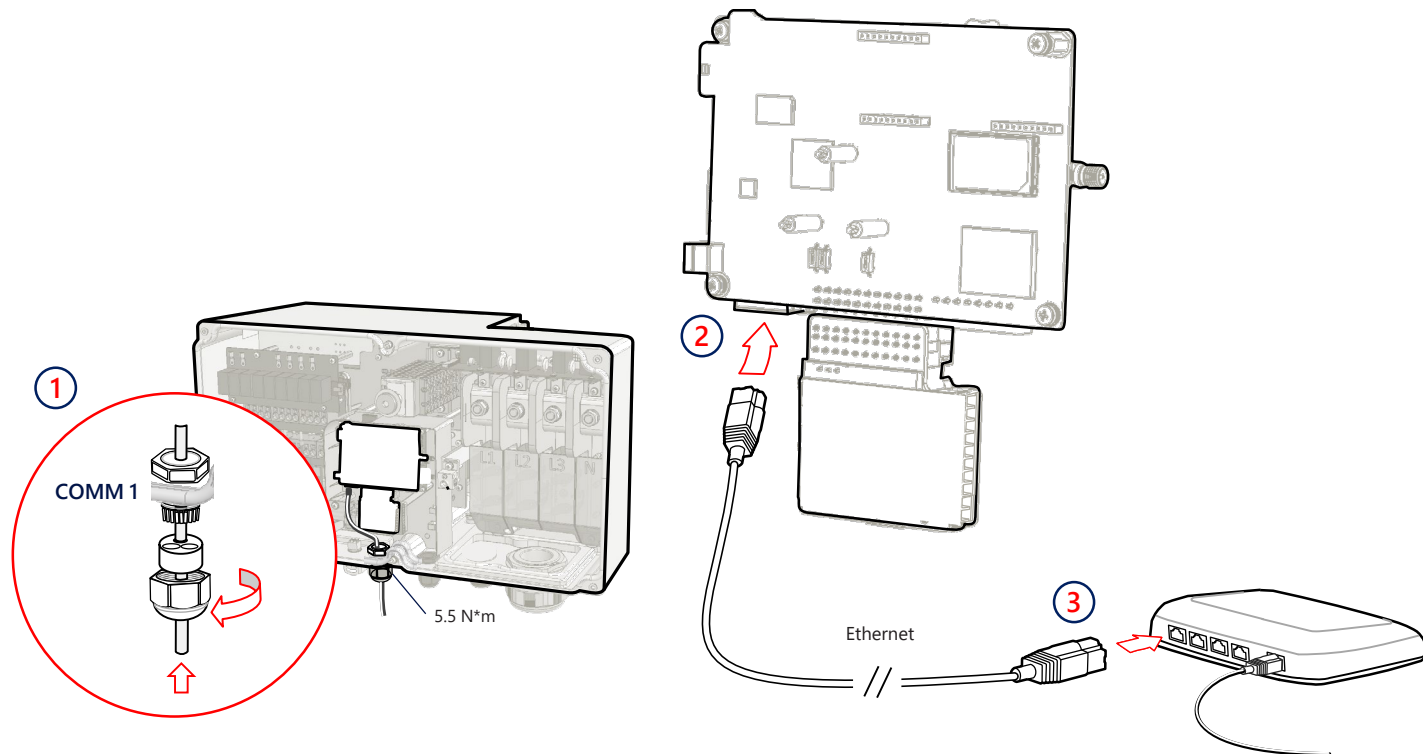
- Bei Aluminiumleitungen AUSSCHLIESSLICH Bimetall-Kabelschuhe verwenden
- Bei Kupferleitungen NUR Kabelschuhe aus verzinnemtem Kupfer VERWENDEN.

Mit einem Loch, Standardschaft, nur Presskabelschuhe, 600 V

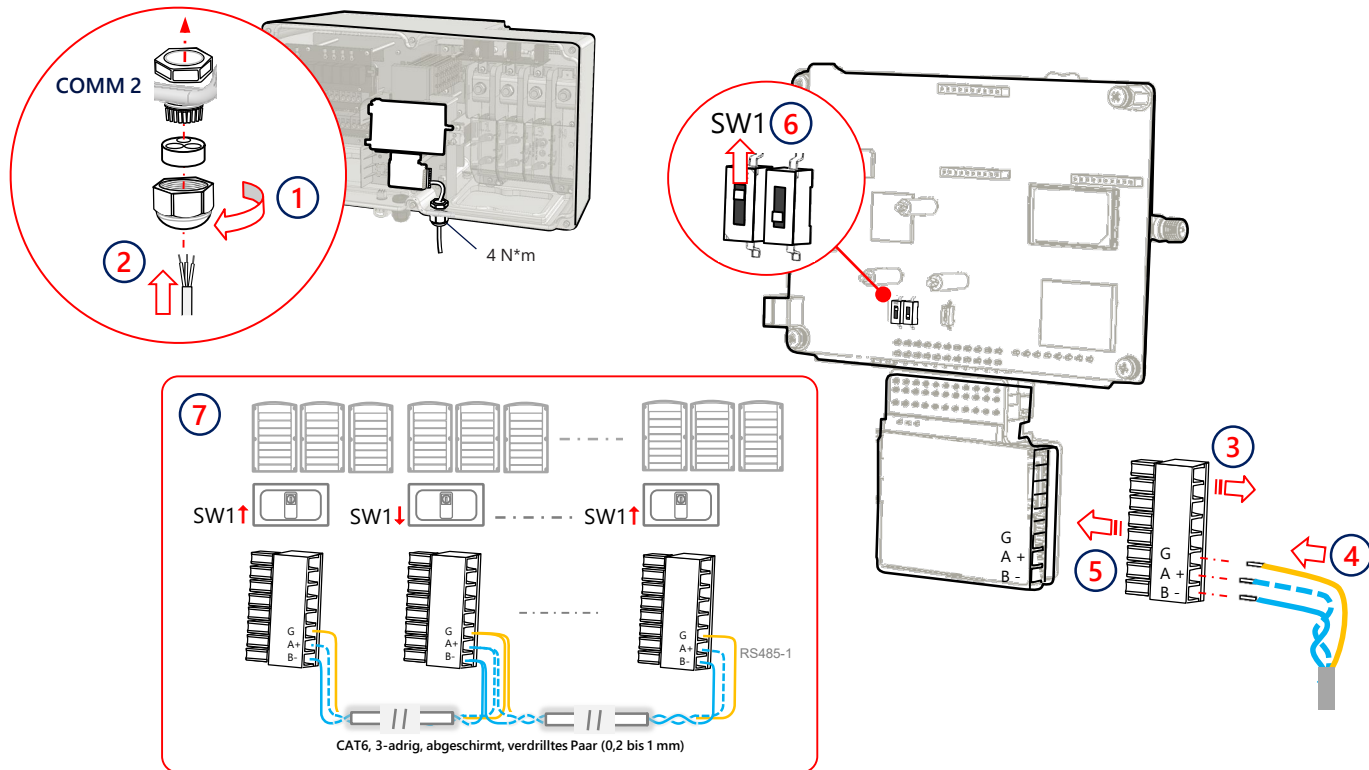


LAN-Verbindung

10

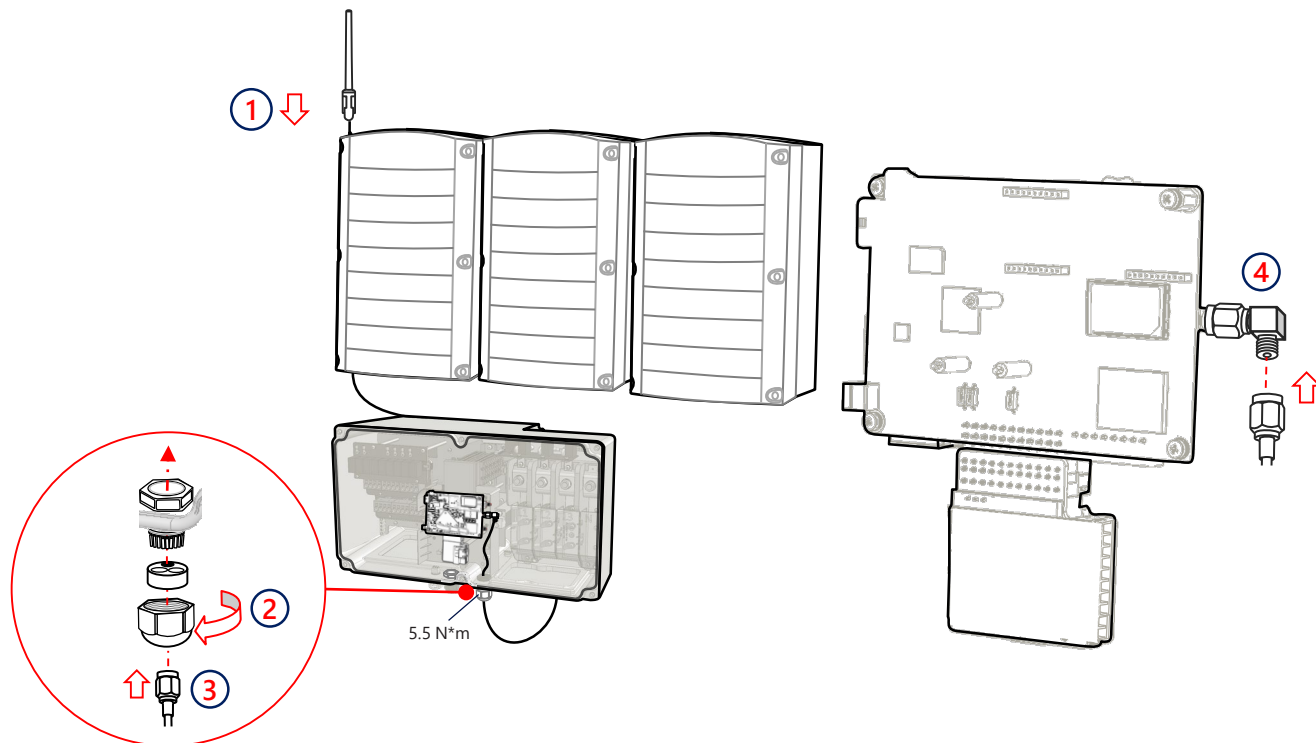


RS485-Verbindung mit mehreren Wechselrichtern



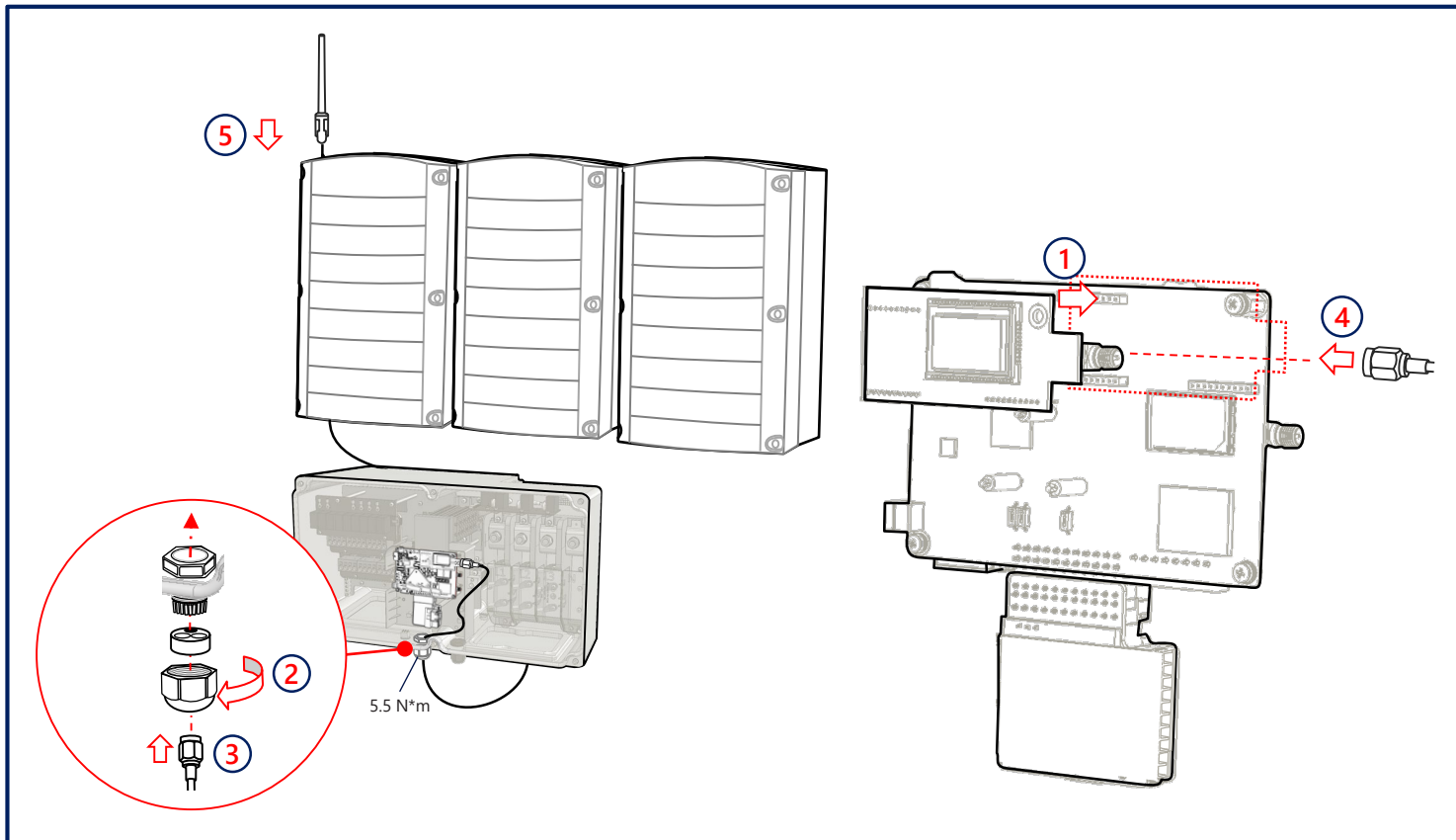
Verbindung der WLAN-Kommunikation (optional)

12



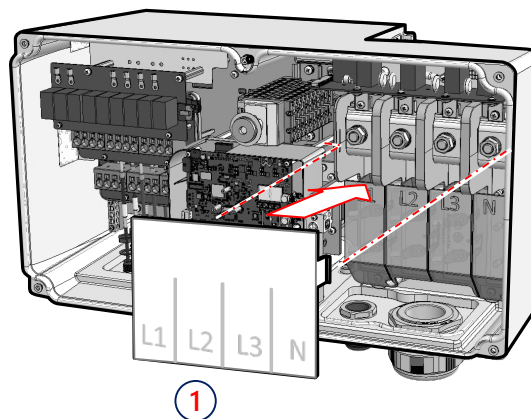
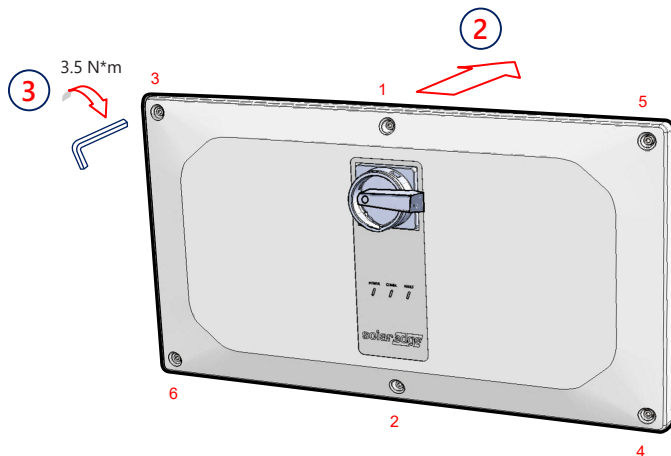
13

Verbindung über Mobilfunk (optional)



Anbringen der Abdeckungen

14



Vorab-Inbetriebnahme, wenn noch nicht an das AC-Netz angeschlossen (Option 1)

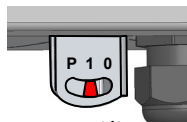
1

SolarEdge SetApp
herunterladen



2

DC-Trennschalter
einschalten (1)

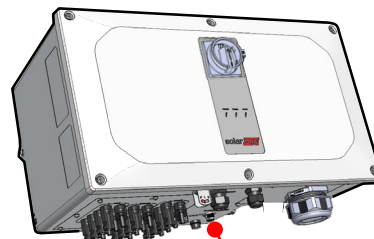


ON (1)



3

Ladegerät anschließen



Ladegerät:
Ausgangsport 60 W,
USB-C Leistungsabgabe
(PD): 20 V, 3A (nicht im
Lieferumfang enthalten)



1 Meter, Stecker auf Stecker, USB-C (nicht im
Lieferumfang enthalten)

Anschluss abdecken
wenn nicht in Gebrauch



4

Starten und SetApp folgen



Inbetriebnahme mit DC- und AC-Leistung (Option 2)

①

SolarEdge SetApp
herunterladen



②

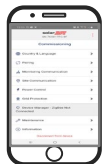
Stromversorgung
einschalten



③

Starten und SetApp folgen





RS485-1 → Protokoll → SolarEdge → SolarEdge Primärgerät
 RS485-1 → Sekundärgerät(e) erkennen

Anlage		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Wechselrichter		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Wechselrichter-Einheiten		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

LEISTUNG KOMM FEHLER

Grün

Blau

Rot



Das System erzeugt Strom



AC ist eingeschaltet, die Anlage erzeugt jedoch keinen Strom



Der Wechselrichter hat eine Verbindung zur Monitoring-Plattform und überträgt Daten



Systemfehler



Support-Kontaktinformationen

Wenden Sie sich bei technischen Fragen zu
SolarEdge-Produkten bitte an uns:

<https://www.solaredge.com/de/service/support>

Änderungen ohne Vorankündigung vorbehalten.
Copyright © SolarEdge Inc. Alle Rechte vorbehalten.
März 2021.



3-fase omvormer met synergie technologie

Snelle installatiehandleiding

PN: SExxK-xxxxlxxxx

Voor Europa, APAC
en Zuid-Afrika
Versie 1.3

Legenda



OPMERKING

Dit symbool staat voor informatie die bedoeld is om de gebruiker te helpen het product optimaal te gebruiken.



LET OP!

Wijst op een gevaar. Het vraagt om uw aandacht voor een procedure die, wanneer niet goed uitgevoerd of nageleefd, kan leiden tot schade aan of destructie van het product. Ga nooit voorbij aan een dergelijke melding voordat u de vermelde voorwaarden volledig begrijpt en naleeft.



WAARSCHUWING!

Wijst op een gevaar. Het vraagt om uw aandacht voor een procedure die, wanneer niet goed uitgevoerd of nageleefd, kan leiden tot letsel of tot de dood. Ga nooit voorbij aan een waarschuwingsmelding voordat u de vermelde voorwaarden volledig begrijpt en naleeft.



Knip geen kabelconnectors door



Dit symbool staat bij aardingspunten op SolarEdge handleidingen en apparaten.



Schakel de netstroomschakelaar van het hoofdpaneel AAN/UIT en wacht vijf minuten



Schakel de DC-veiligheidsschakelaar van Synergy Manager AAN/UIT en wacht vijf minuten
(Alleen van toepassing op modellen met een DC-veiligheidsschakelaar)

BEWAAR DEZE INSTRUCTIES - Deze handleiding bevat belangrijke instructies voor de 3-fase omvormer die moeten worden opgevolgd tijdens installatie en onderhoud. Gebruik van deze apparatuur op een wijze die niet in dit document door SolarEdge wordt gespecificeerd, kan afbreuk doen aan de bescherming die door deze apparatuur wordt geboden.

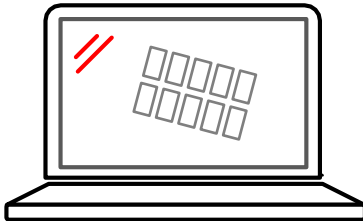
Installatie van de optimizers

1

1 → 2 → 3 → 4 → 5 → 6

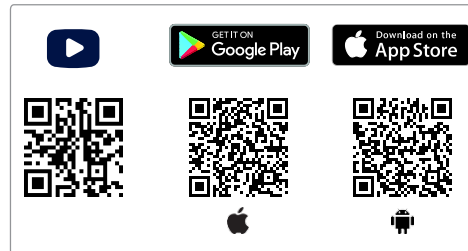
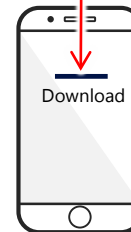
1

Gebruik de SolarEdge Designer
om een SE systeem te ontwerpen
<https://designer.solaredge.com>



2

Download SolarEdge Mapper
om Power Optimizers in kaart
te brengen



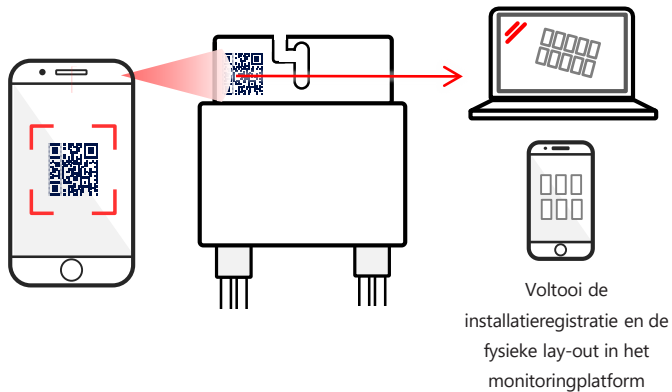
1

Installatie van de optimizers

1 → 2 → 3 → 4 → 5 → 6

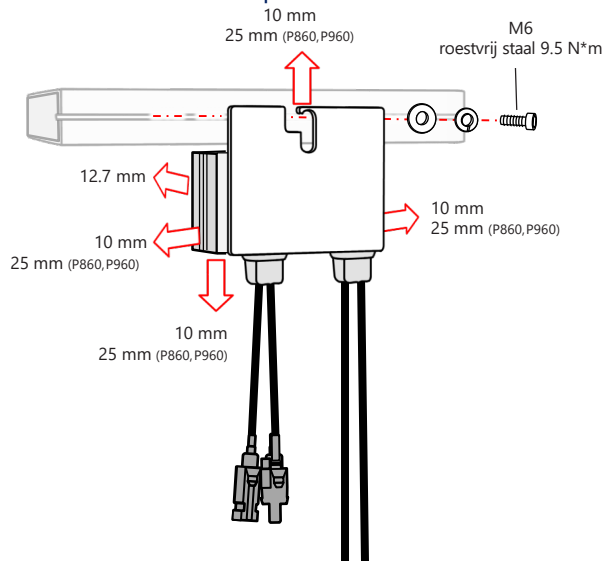
3

Scan de QR-code met de Mapper



4

Installeer de Power Optimizer

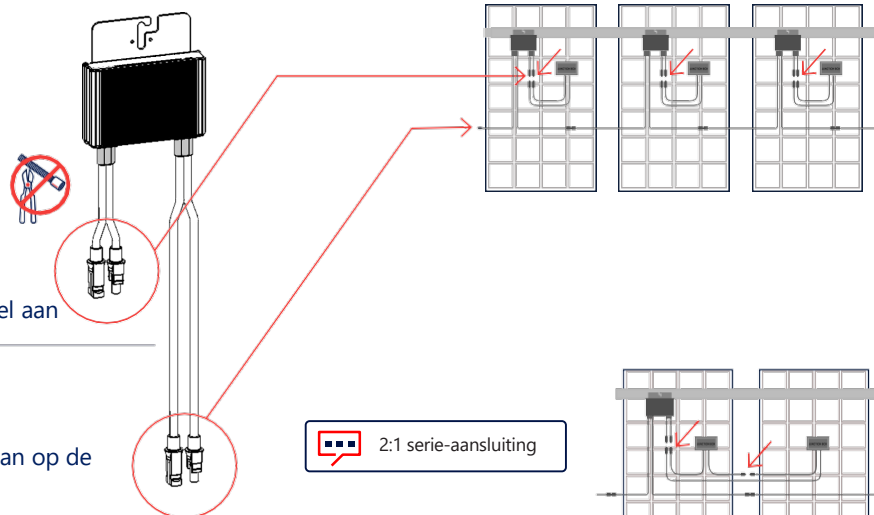


Installatie van de optimizers

① → ② → ③ → ④ → ⑤ → ⑥

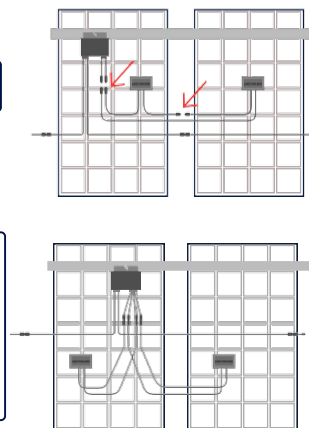
⑤ Sluit de ingang van het Paneel aan

⑥ Sluit de uitgang aan op de String



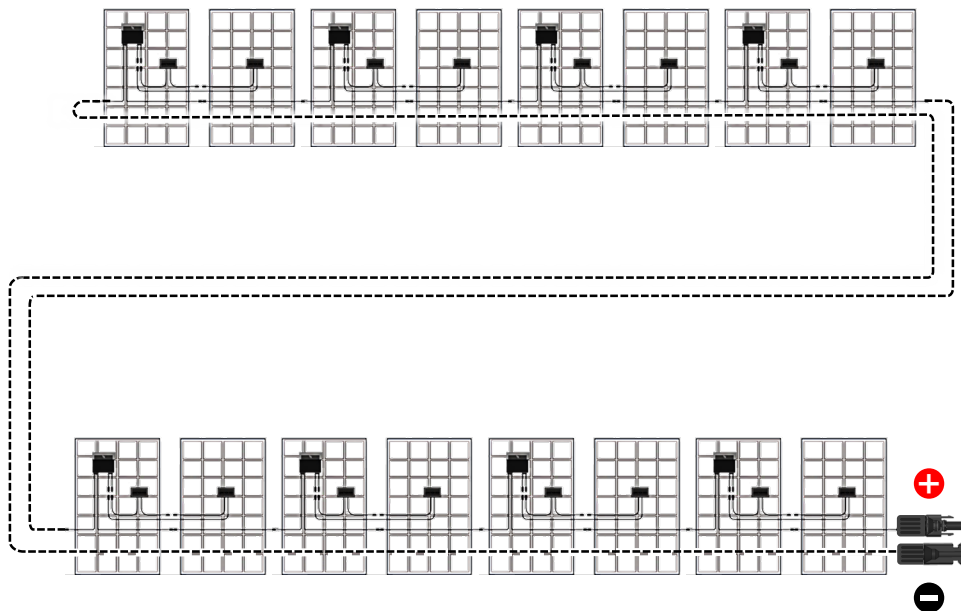
2:1 serie-aansluiting

Gebruik een optimizer met dubbele ingang voor parallele verbinding van twee zonnepanelen of gebruik een splitterkabel om twee panelen aan te sluiten op een optimizer met één ingang.



2

De PV-opstelling aansluiten

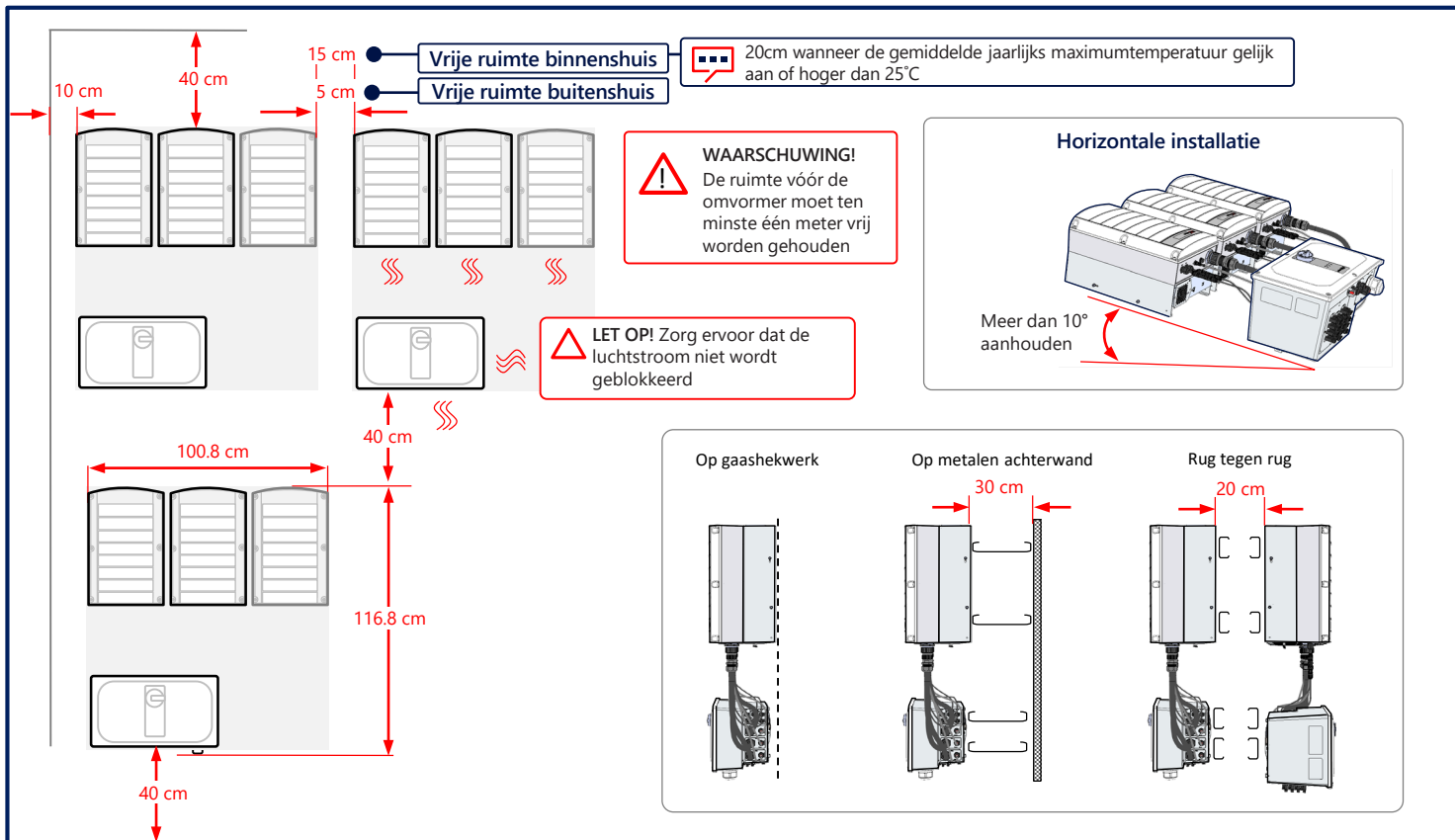


Controleer de polariteit van de opstelling. Controleer $1 \pm 0,1V$ per optimizer Voorbeeld: 8 optimizers = $\sim 8V$



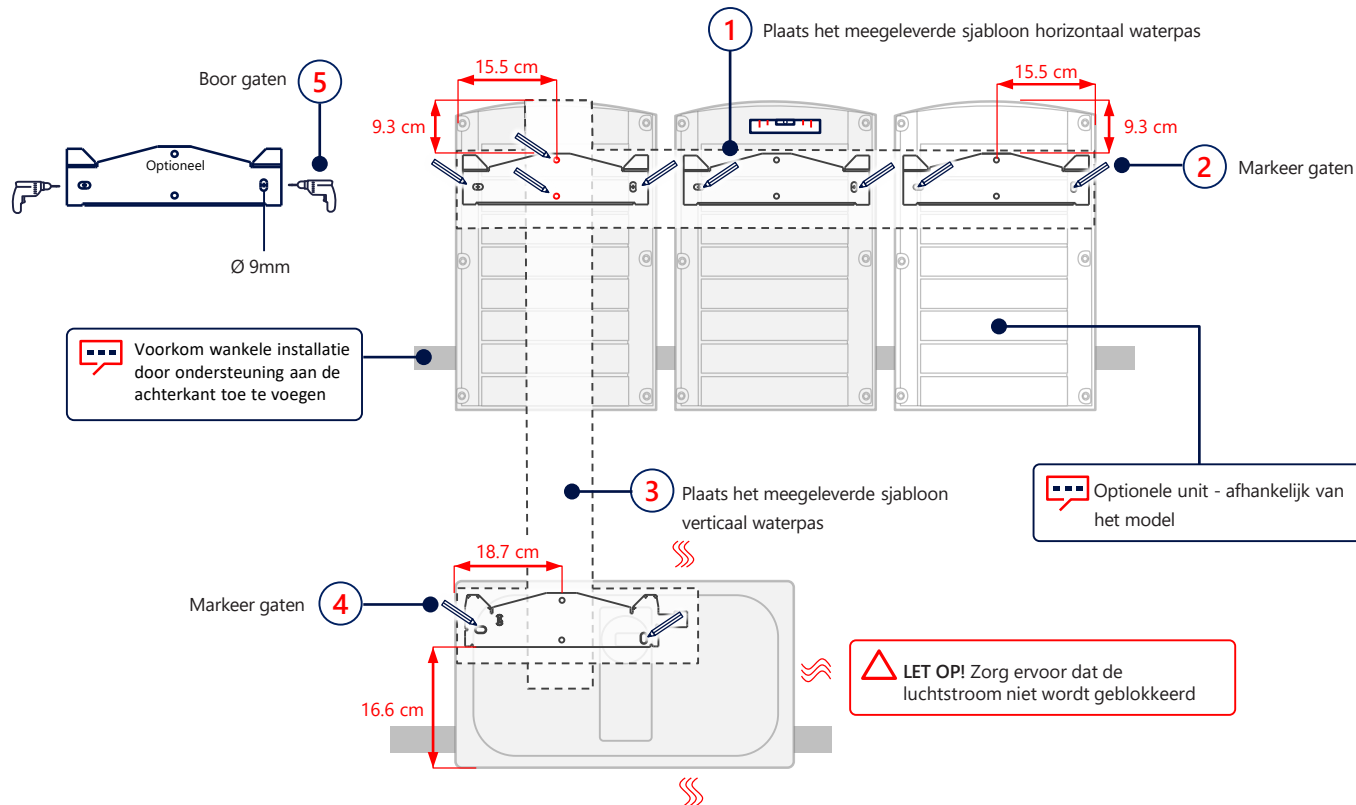
Handhaven vrije ruimte

3



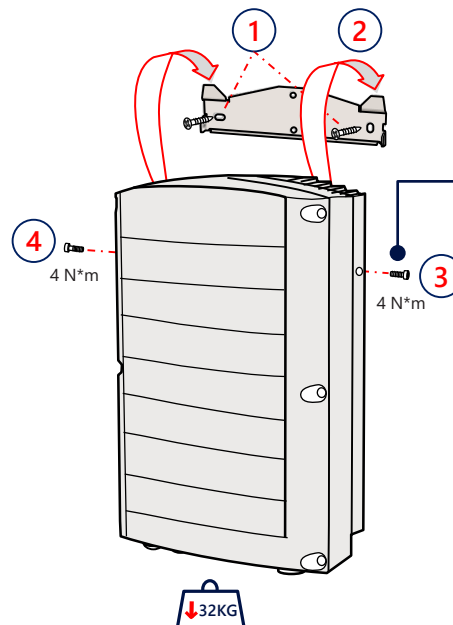
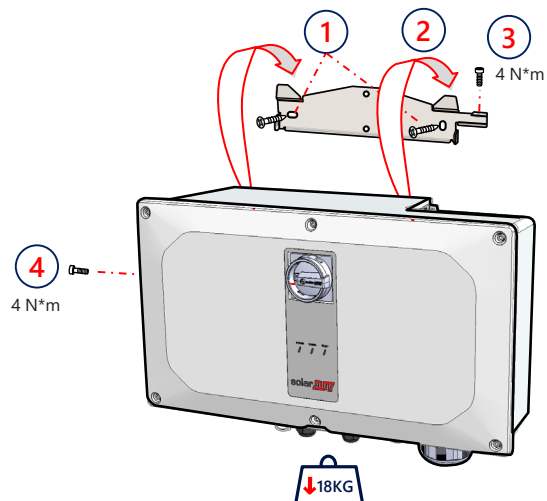
4

Markeren & boren van gaten



De units monteren

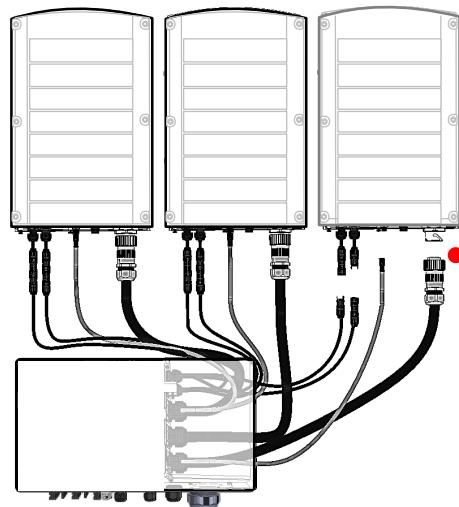
5



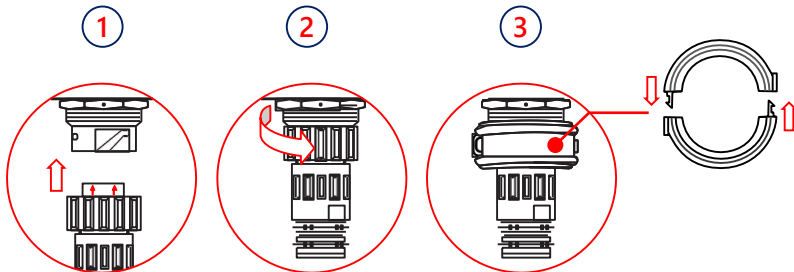
Voor linkse of rechtse units, gebruik alleen de buitenste schroef

6

Verbindingskabels aansluiten



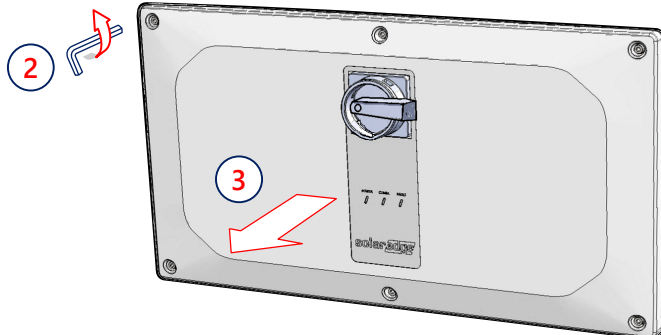
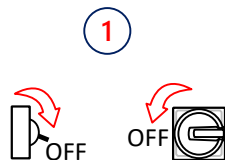
Sluit de kabels aan conform de labels



LET OP! Zorg ervoor dat de luchtstroom niet wordt geblokkeerd

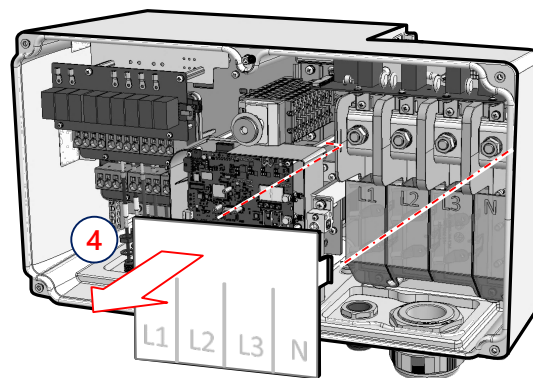


Kappen verwijderen

7

WAARSCHUWING

SCHAKEL DE SPANNING UIT ALVORENS MET DE INSTALLATIE TE BEGINNEN



8

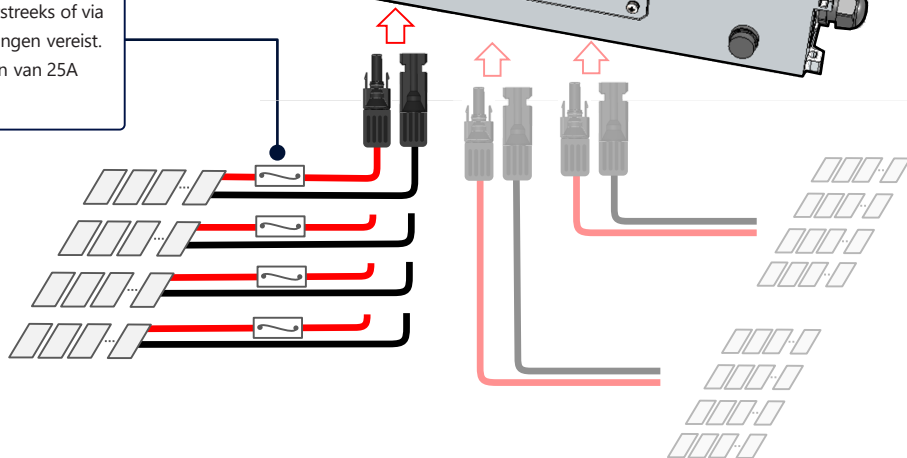
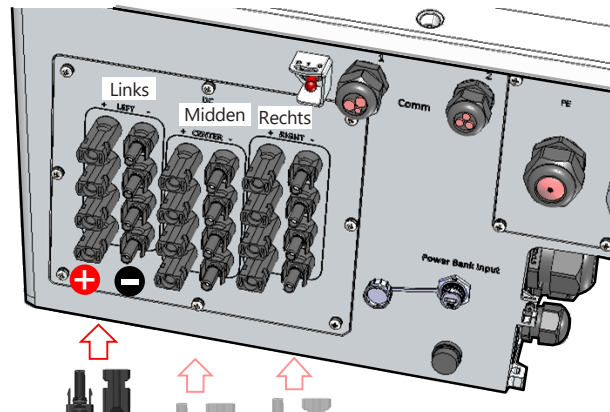
PV-strings verbinden

Synergie Units
Links Midden Rechts



Houd ongebruikte connectoren afgedekt.

Belangrijk: Bij installatie van een systeem met meer dan 3 strings per één Synergie Unit (rechtstreeks of via een combinerbox aangesloten) zijn zekeringen vereist. In SolarEdge systemen moeten zekeringen van 25A worden gebruikt.

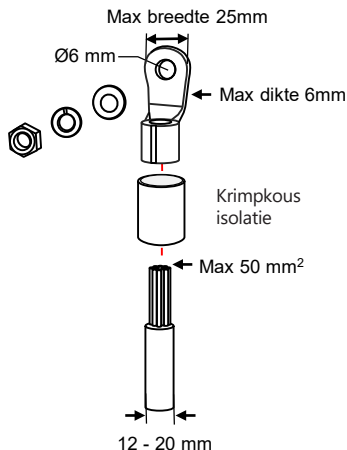


PV-strings aansluiten via één DC-ingang



LET OP!

- Gebruik voor aluminium draden ALLEEN Bi-metalen kabelschoenen
- Gebruik voor koperen draden ALLEEN vertinde koperen kabelschoenen

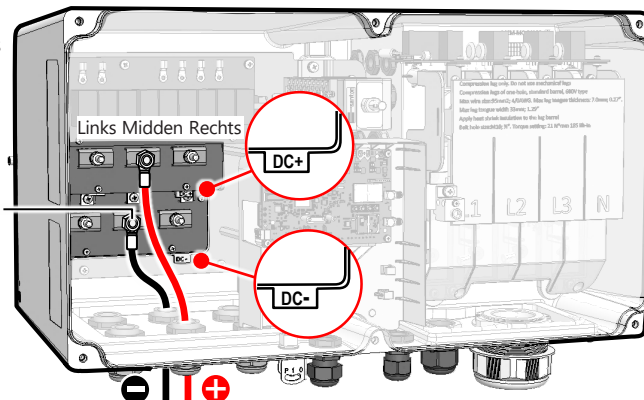


Synergie Units

Links Midden Rechts



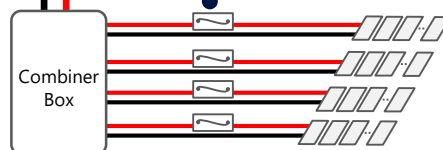
5.7 N*m



Belangrijk: Bij installatie van een systeem met meer dan 3 strings per één Synergie Unit (rechtstreeks of via een combinerbox aangesloten) zijn zekeringen vereist. In SolarEdge systemen moeten zekeringen van 25A worden gebruikt.



Functionele elektrische aarding van de DC-zijde van de negatieve of positieve pool is verboden omdat de omvormer geen transformator heeft. Aarding (vereffening) van zonnepaneelframes en montagemateriaal van de PV-opstelling is aanvaardbaar

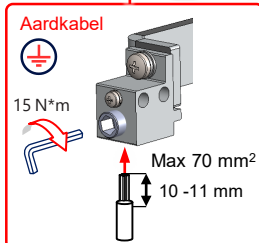
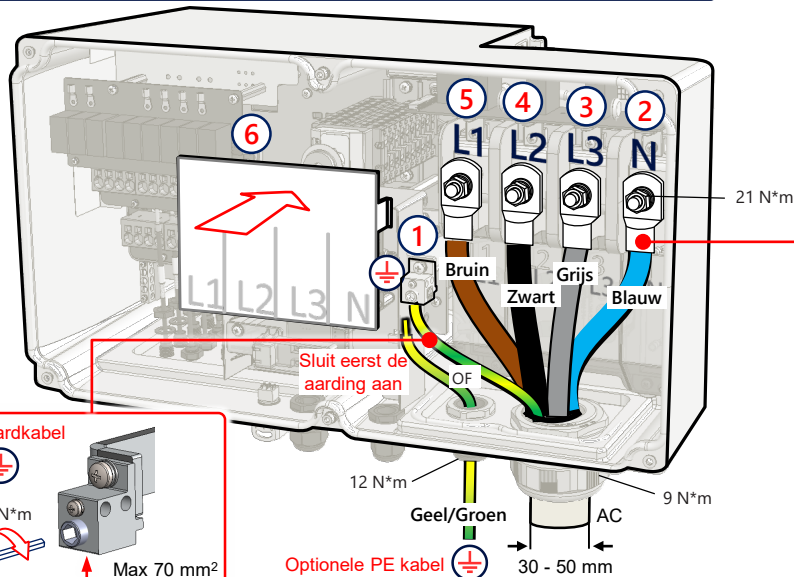


9

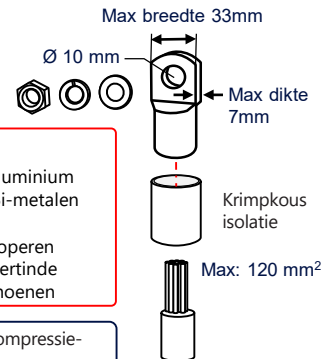
AC en beschermende aarde aansluiten (PE)

De omvormer ondersteunt ofwel een 4-draads- + PE of een 3-draads- + PE

Overstroombeveiliging voor de AC-uitgang moet door anderen worden geleverd, zie handleiding voor richtlijnen



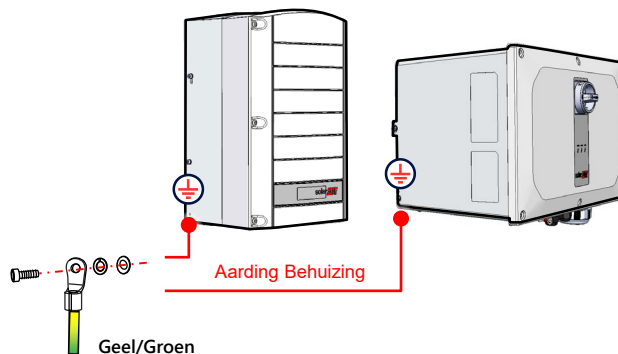
Bij gebruik van gevlochten draad is het gebruik van een adereindhuls ter beoordeling van de installateur.

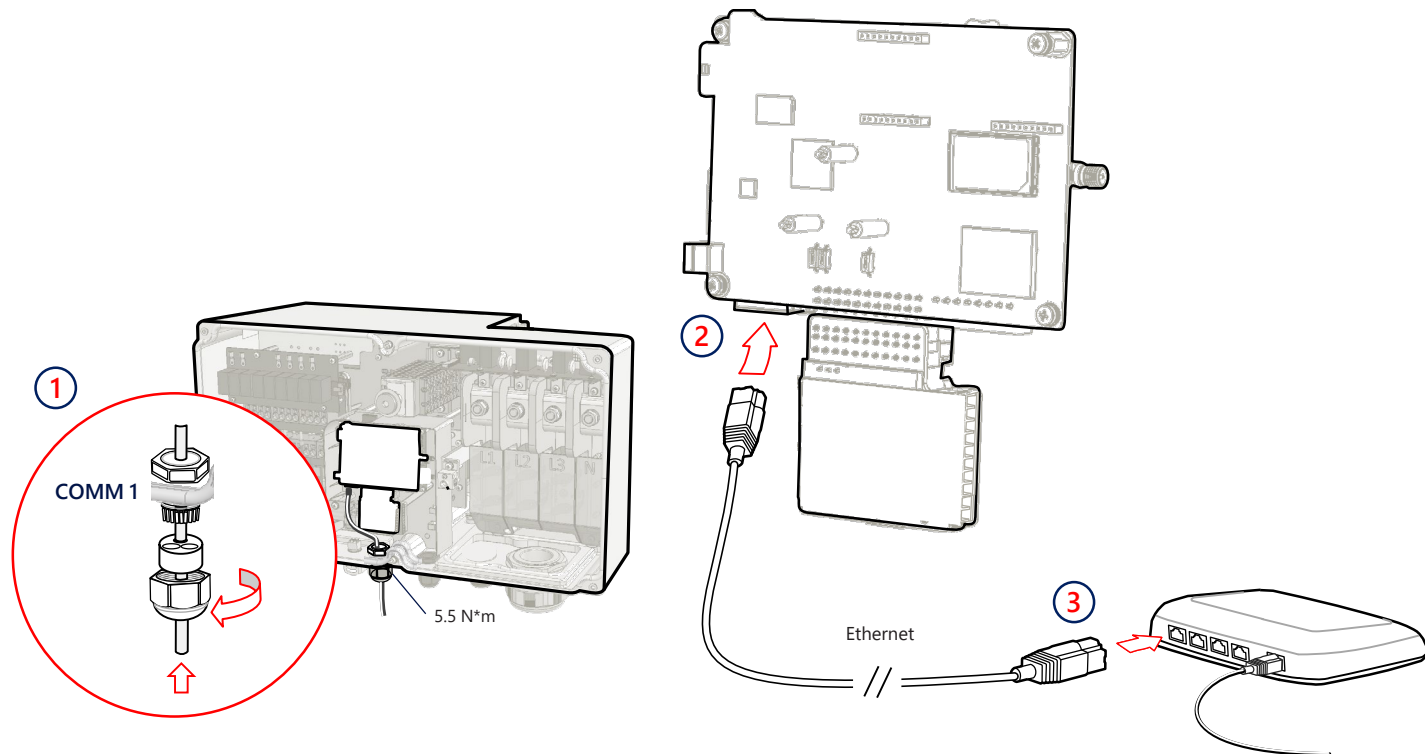


LET OP!

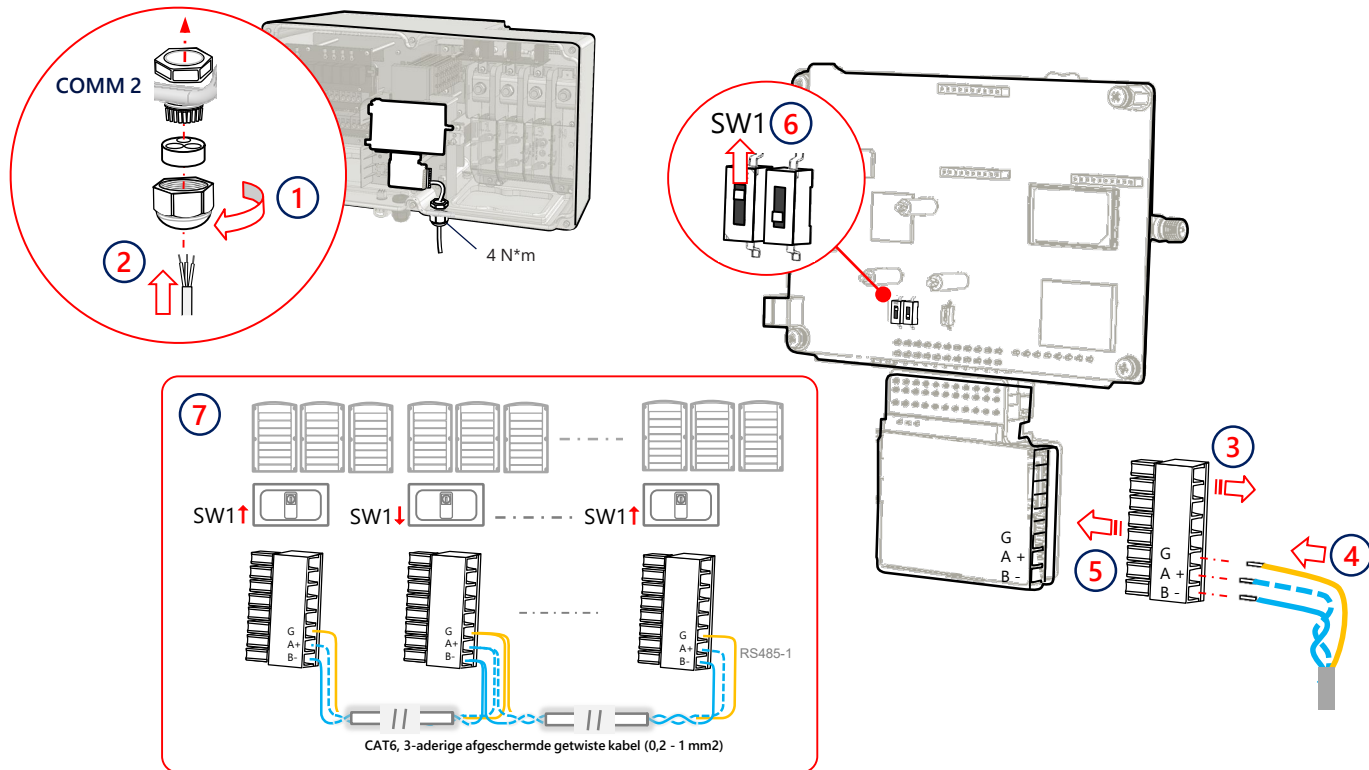
- Gebruik voor aluminium draden ALLEEN Bi-metalen kabelschoenen
- Gebruik voor koperen draden ALLEEN vertinde koperen kabelschoenen

Alleen ééngats compressie-kabelschoen van standaard doorsnede, 600V



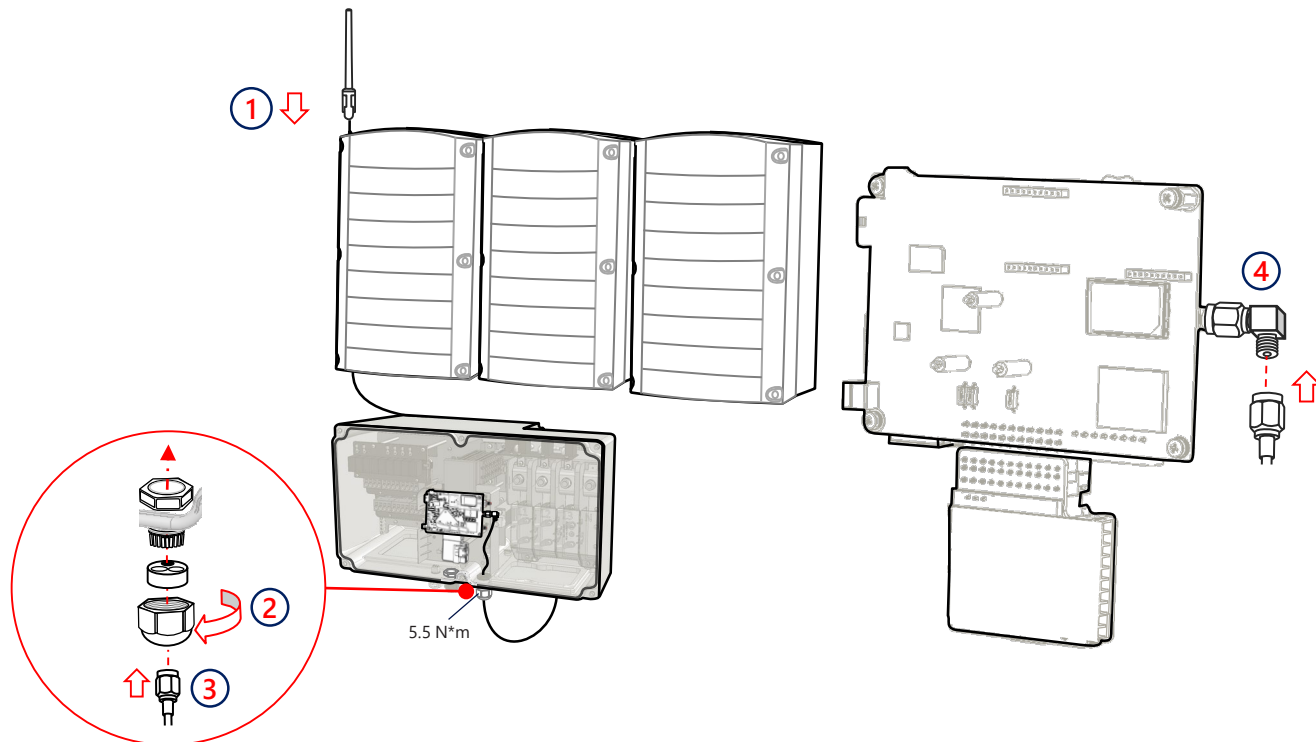


14 MAN-01-00784-1.3



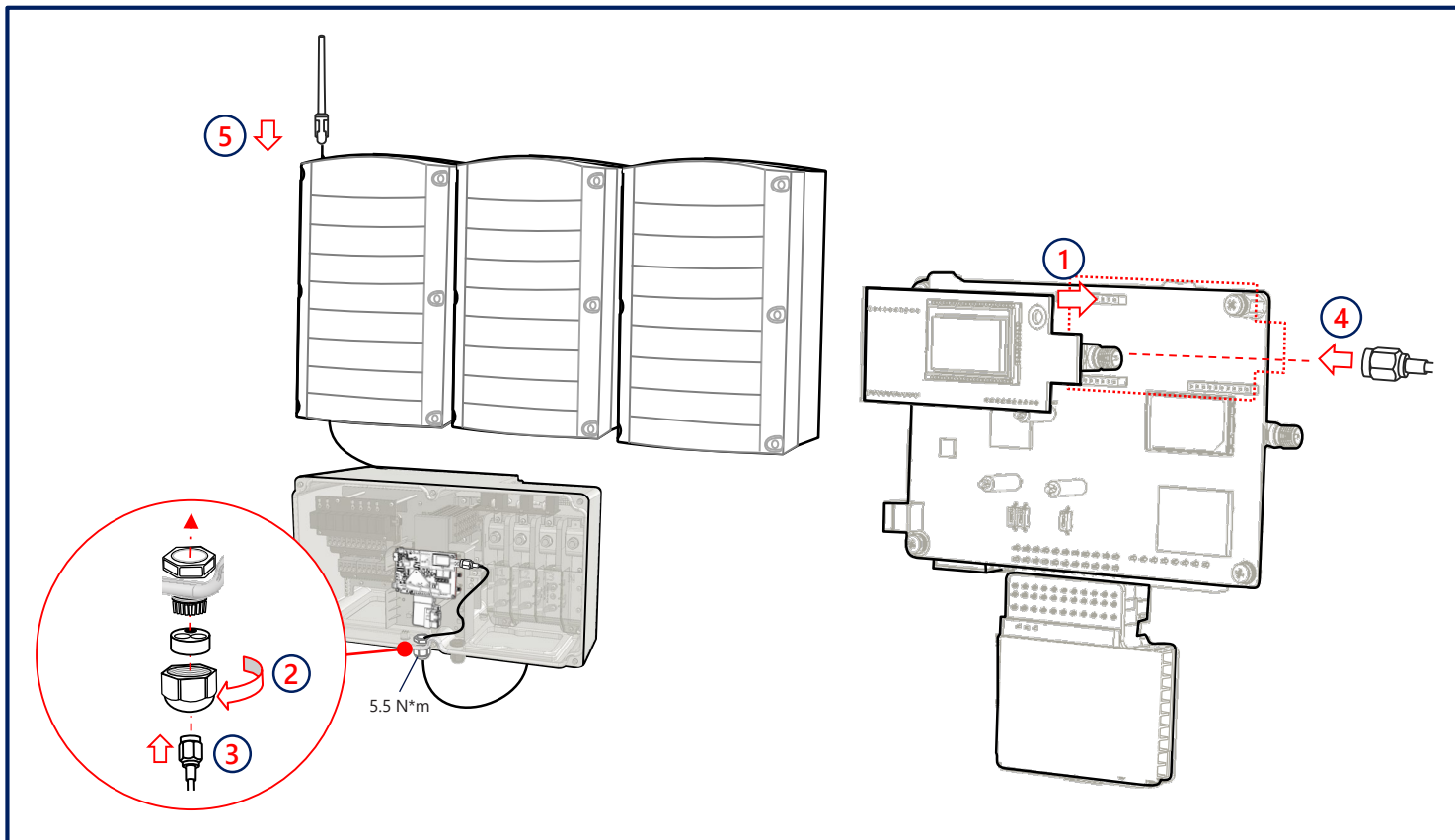
Wi-Fi Communicatie aansluiten (optioneel)

12



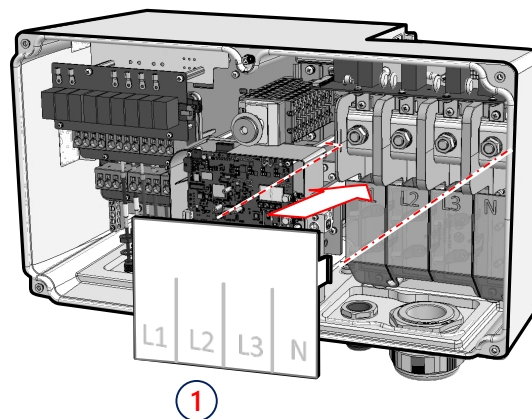
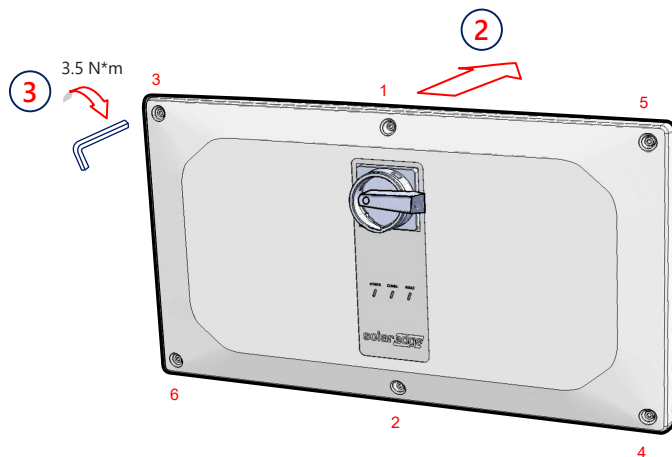
13

GSM-communicatie aansluiten (optioneel)



Kappen monteren

14



Pre-inbedrijfstelling wanneer AC-voeding niet is aangesloten (optie 1)

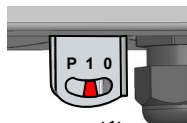
1

Download SolarEdge
SetApp



2

Zet DC-schakelaar aan (1)

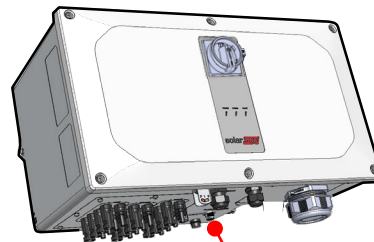


ON (1)

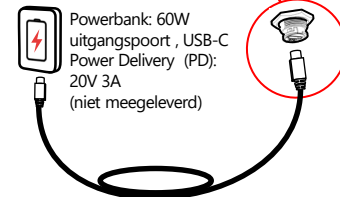


3

Sluit de powerbank aan



Powerbank: 60W
uitgangspoort , USB-C
Power Delivery (PD):
20V 3A
(niet meegeleverd)



1meter, male naar male, USB-C
(niet meegeleverd)

Afdekkap connector
indien niet in gebruik

4

Start en volg SetApp



Inbedrijfstelling met DC- en AC-spanning (optie 2)

①

Download
SolarEdge SetApp



②

Schakel de voeding in

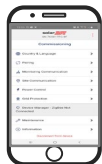


③

Start en volg SetApp



De Leider-omvormer in bedrijf stellen



RS485-1 → Protocol → SolarEdge → SolarEdge Leider
 RS485-1 → Volger detecteren

Installatie		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Omvormer		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Omvormer Units		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POWER COMM FOUT

Groen Blauw Rood



Het systeem produceert energie



AC is aangesloten, maar het systeem produceert geen energie



Omvormer communiceert met het monitoringplatform



Systeemfout



Support Contact Informatie

Bij technische problemen met SolarEdge producten kunt u contact met ons opnemen:

<https://www.solaredge.com/service/support>

Wijzigingen voorbehouden zonder voorafgaande .

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Onduleur triphasé avec technologie Synergy

Guide d'installation rapide

PN: SExxK-xxxxlxxxx

Pour l'Europe, la région
Asie Pacifique et l'Afrique
du Sud

Version 1.3

Légende



REMARQUE

Ce symbole indique que les informations ont pour but d'aider l'utilisateur à optimiser son utilisation du produit.



ATTENTION!

Indique un danger. Ce symbole attire l'attention sur une procédure qui, si elle n'est pas correctement effectuée ou respectée, peut entraîner des dommages ou la destruction du produit. Ne passez pas au-delà d'un signe d'attention jusqu'à ce que les conditions indiquées soient pleinement comprises et respectées.



AVERTISSEMENT!

Indique un danger. Ce symbole attire l'attention sur une procédure qui, si elle n'est pas correctement effectuée ou respectée, peut entraîner des blessures ou le décès. Ne poursuivez pas au-delà d'une note d'avertissement tant que les conditions indiquées ne sont pas pleinement comprises et respectées.



Ne coupez pas les connecteurs du câble



Ce symbole apparaît aux points de mise à la terre sur l'équipement et dans les manuels SolarEdge.



Mettez l'interrupteur CA de la carte de circuit principale sur ON/OFF et attendez 5 minutes



Mettez l'interrupteur de sécurité CC du Synergy Manager sur ON/OFF et attendez 5 minutes
(Applicable uniquement aux modèles équipés d'un interrupteur de sécurité DC)

CONSERVEZ CES INSTRUCTIONS – Ce manuel contient des instructions importantes pour l'Onduleur triphasé qui doivent être respectées pendant l'installation et la maintenance. L'utilisation de cet équipement d'une manière non spécifiée dans ce document par SolarEdge peut altérer la protection fournie par cet équipement.

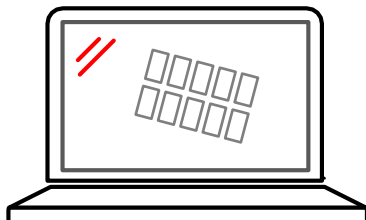
Installation des optimiseurs

1

1 → 2 → 3 → 4 → 5 → 6

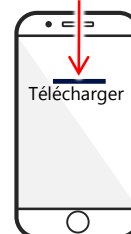
1

Utiliser SolarEdge Designer
pour concevoir des systèmes SE
<https://designer.solaredge.com>



2

Télécharger SolarEdge Mapper
pour cartographier des
optimiseurs de puissance

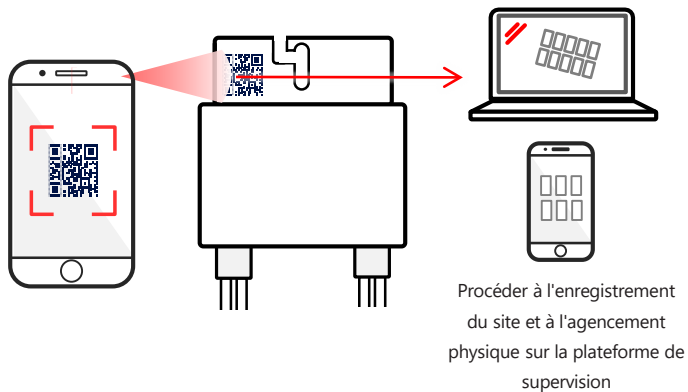


1 Installation des optimiseurs

1 → 2 → 3 → 4 → 5 → 6

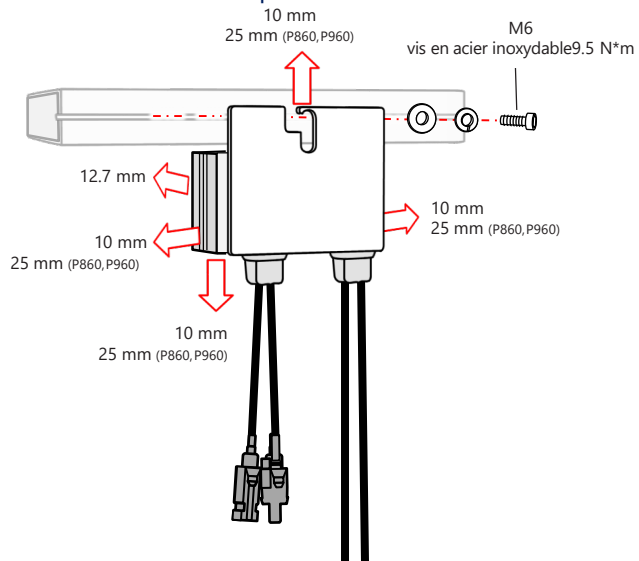
3

Scanner le QR Code avec Mapper



4

Installer l'optimiseur de puissance



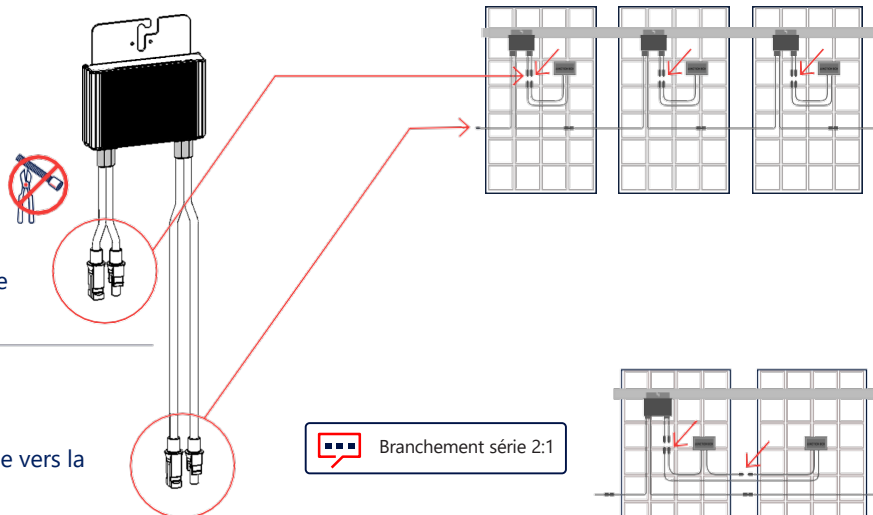
Installation des optimiseurs

1

① → ② → ③ → ④ → ⑤ → ⑥

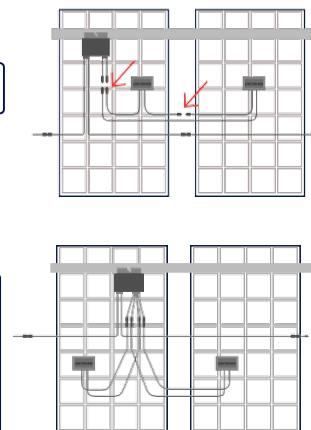
⑤ Connecter l'entrée depuis le module

⑥ Connecter la sortie vers la chaîne



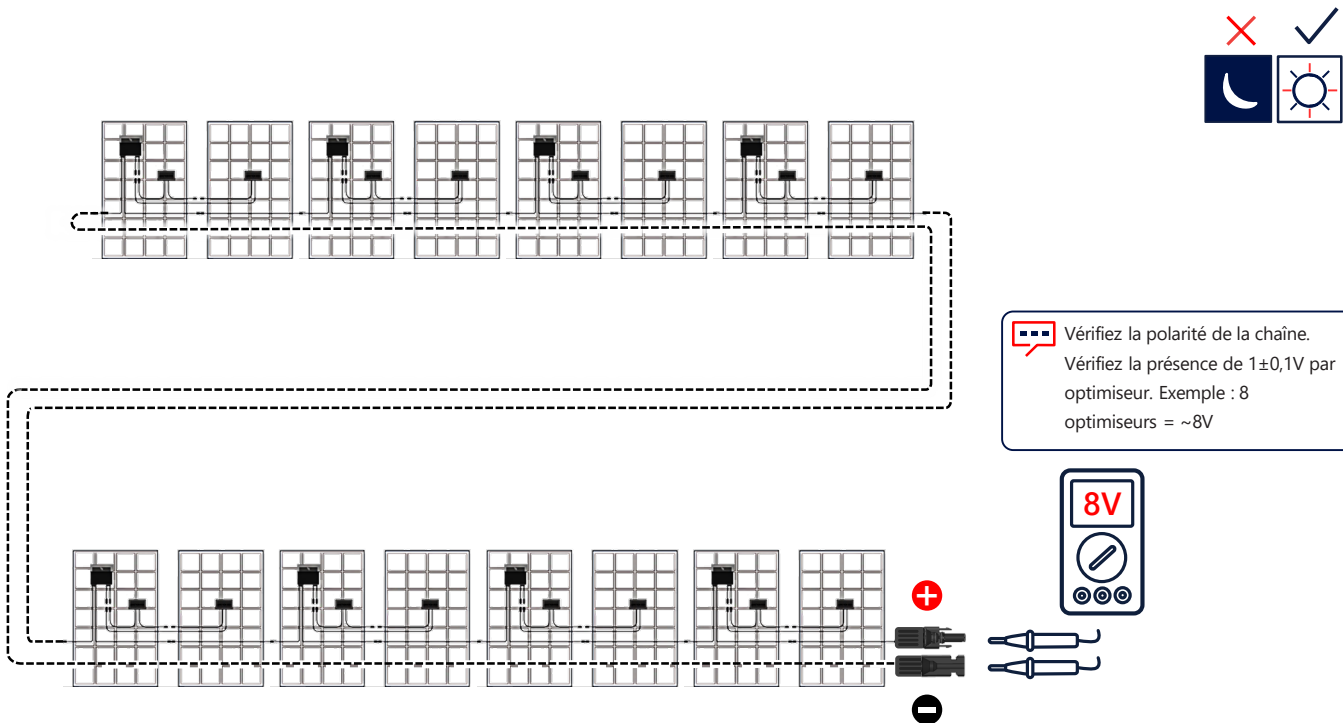
Branchement série 2:1

Utilisez un optimiseur à double entrée (P800p) pour brancher deux PV en parallèle ou utilisez un câble de dérivation pour brancher deux PV à un optimiseur à entrée simple.



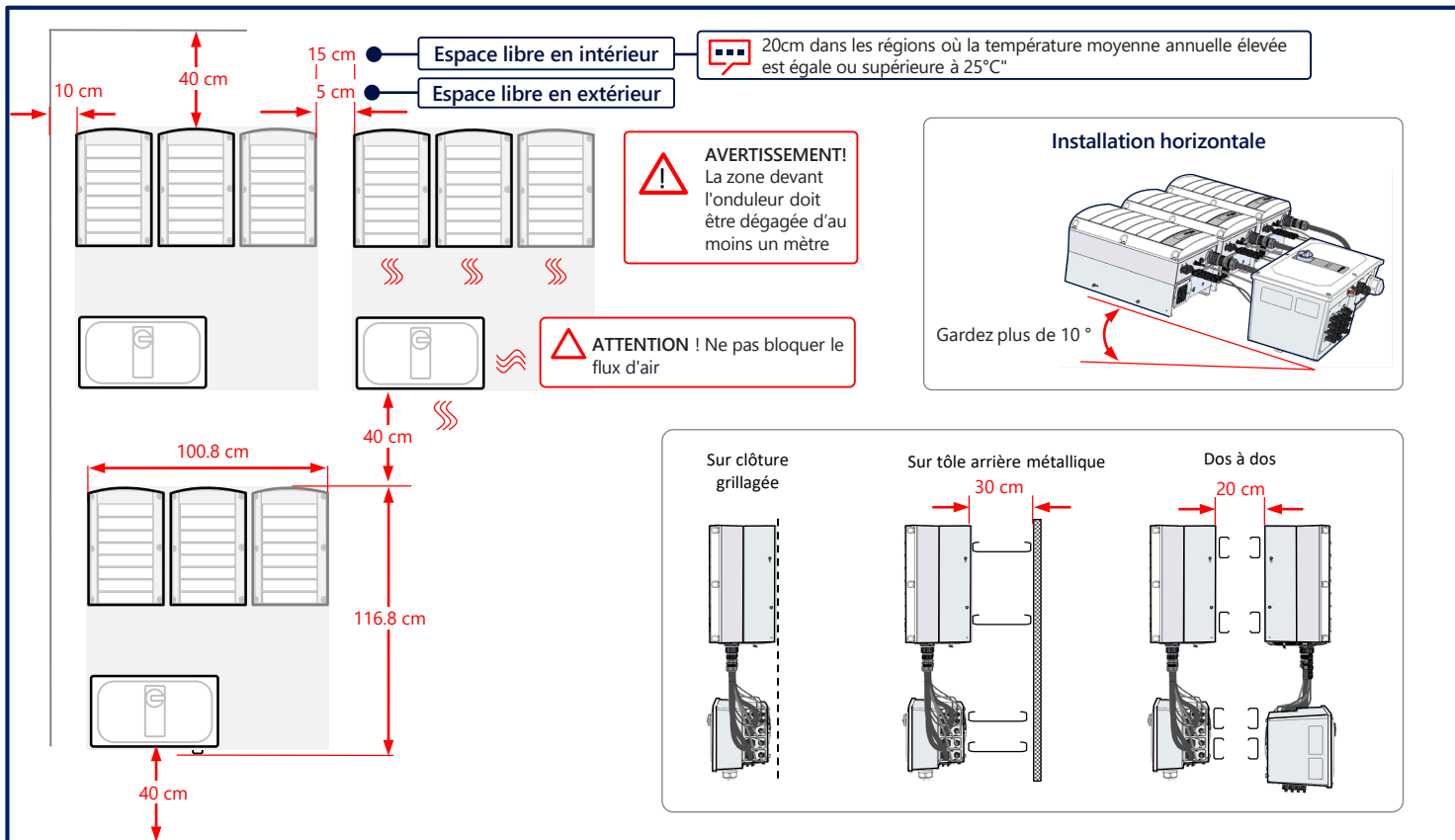
2

Branchement de la chaîne de PV



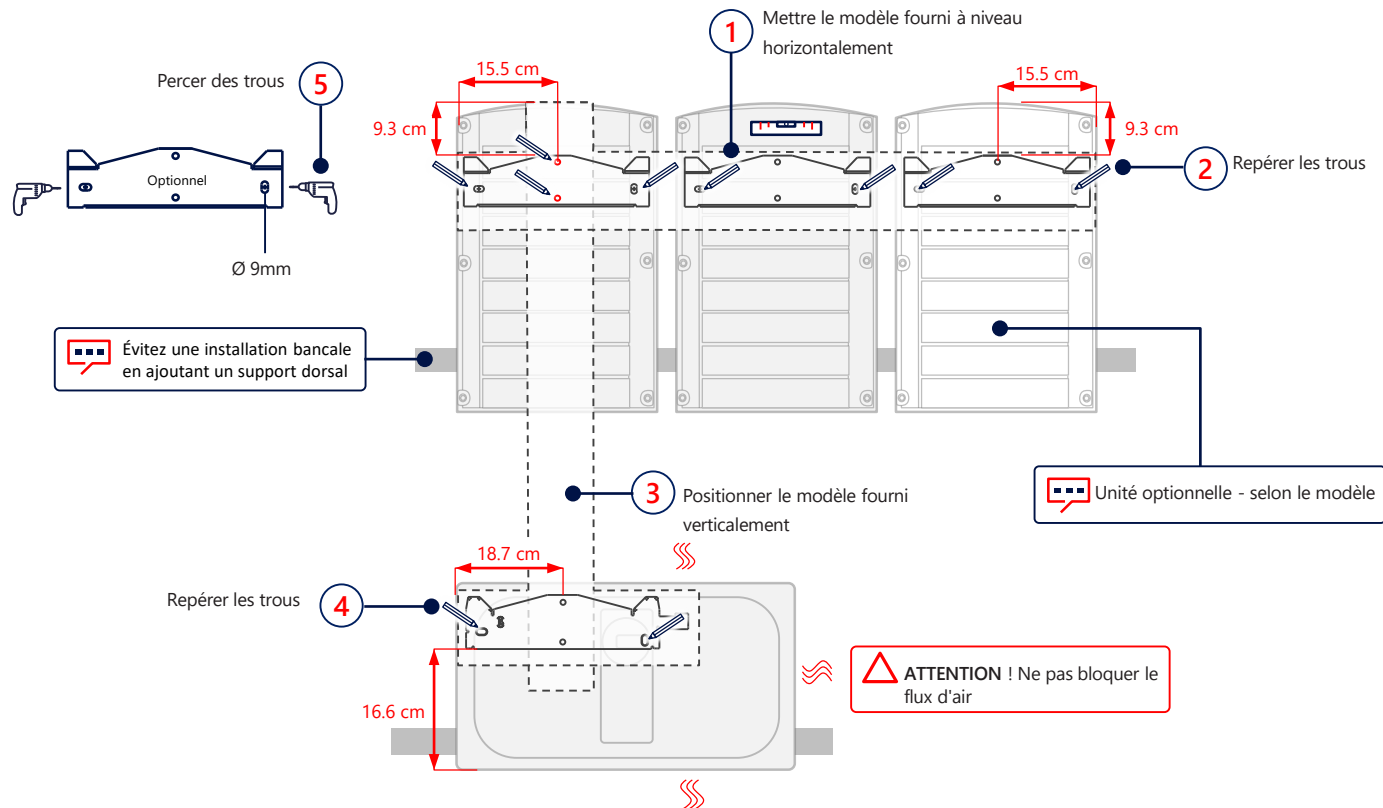
Maintien d'un espace libre

3



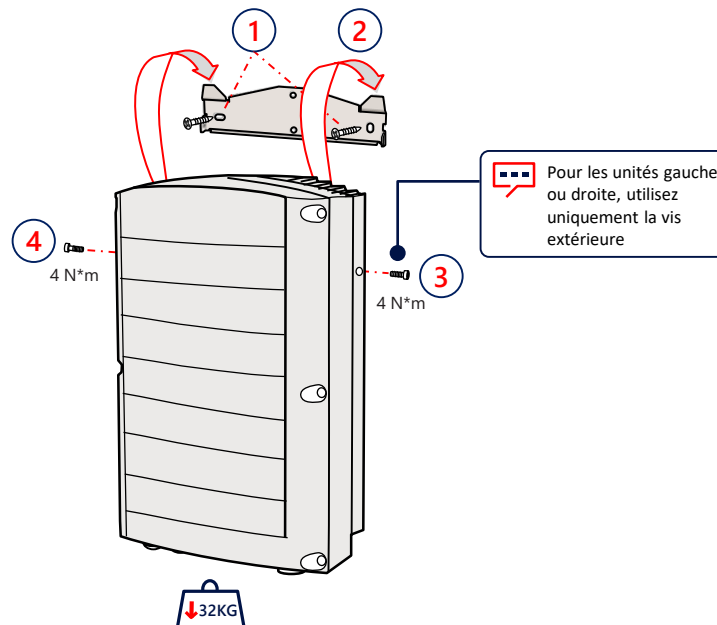
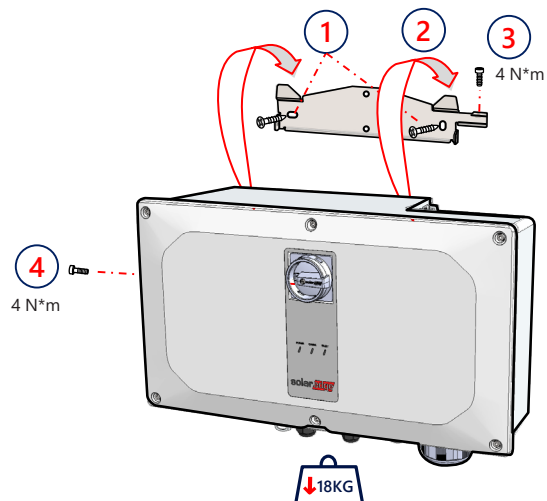
4

Repérage et marquage des trous



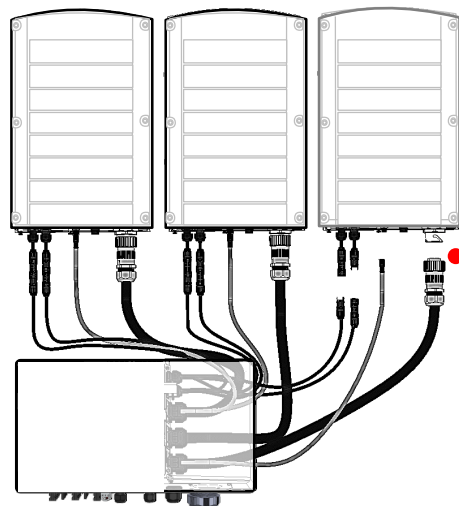
Montage des unités

5

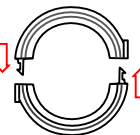
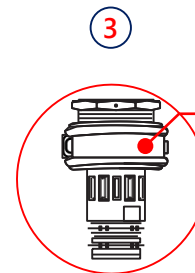
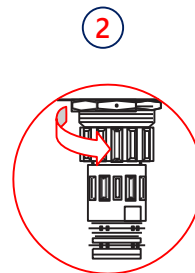
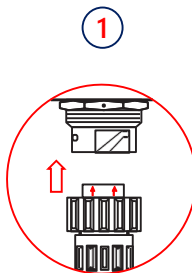


6

Branchement des câbles d'interconnection



Connectez les câbles conformément
aux étiquettes

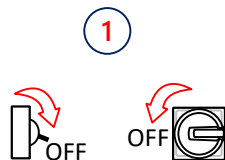


ATTENTION ! Ne pas bloquer le
flux d'air



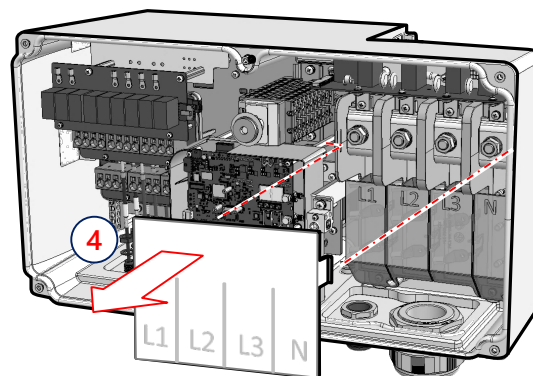
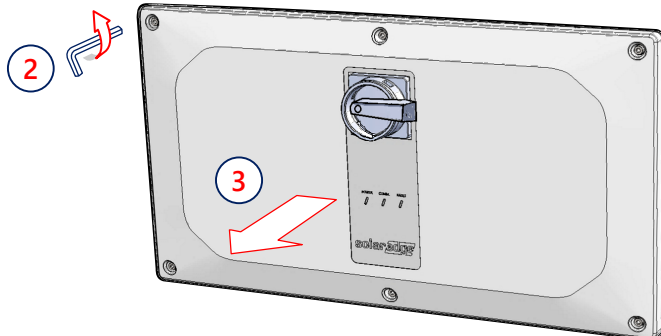
Retrait des couvercles

7



AVERTISSEMENT

DEBRANCHER L'ALIMENTATION AVANT DE COMMENCER L'INSTALLATION



8

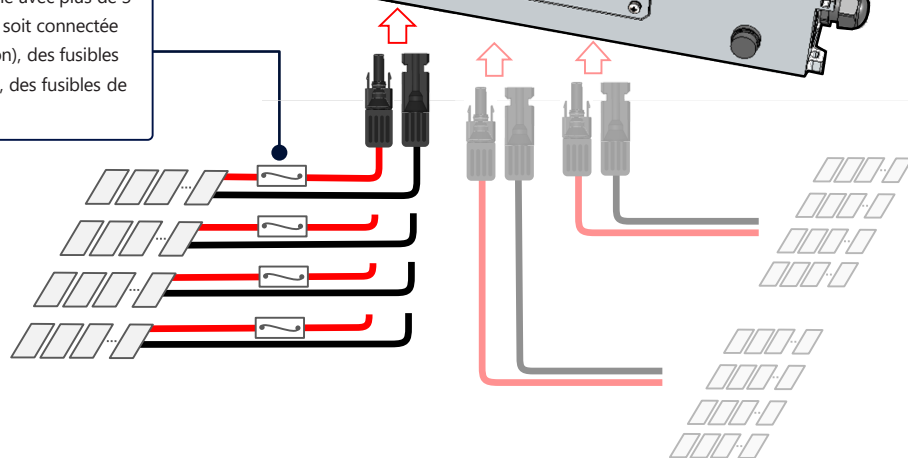
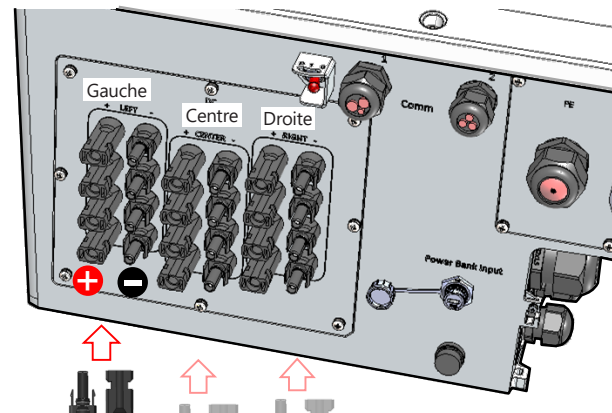
Branchement de chaînes de PV

Unités Synergy
Gauche Centre Droite



Protégez les connecteurs inutilisés

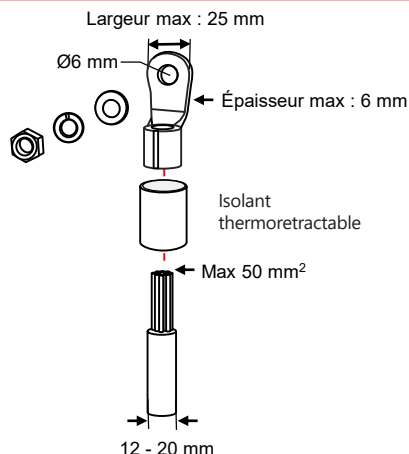
Important: Lors de l'installation d'un système avec plus de 3 chaînes par une seule unité Synergy (qu'elle soit connectée directement ou via un boîtier de combinaison), des fusibles sont nécessaires. Dans le système SolarEdge, des fusibles de 25 A doivent être utilisés.



Connexion de chaînes PV via une seule entrée DC

⚠ ATTENTION!

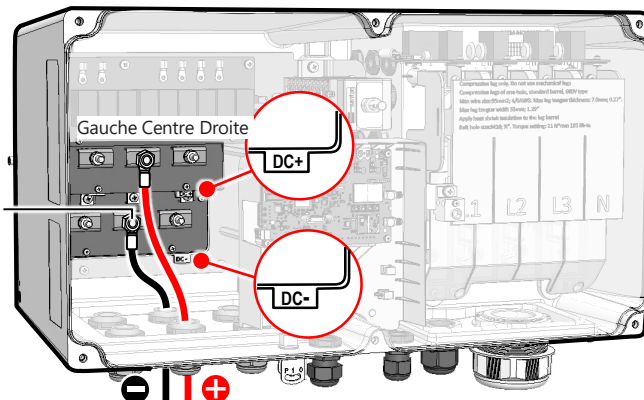
Avec des fils en aluminium, UTILISEZ UNIQUEMENT des cosses bimétalliques
 • Avec des fils en cuivre, UTILISEZ UNIQUEMENT des cosses en cuivre étamé



Unités Synergy
Gauche Centre Droite

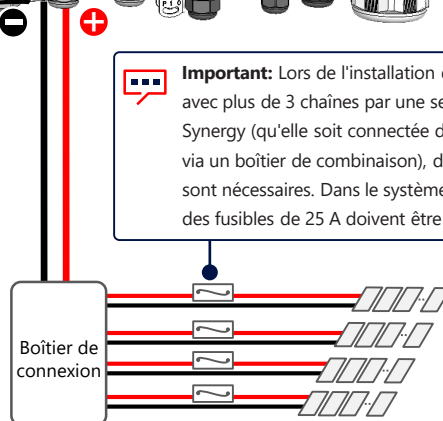


5.7 N*m



Important: Lors de l'installation d'un système avec plus de 3 chaînes par une seule unité Synergy (qu'elle soit connectée directement ou via un boîtier de combinaison), des fusibles sont nécessaires. Dans le système SolarEdge, des fusibles de 25 A doivent être utilisés.

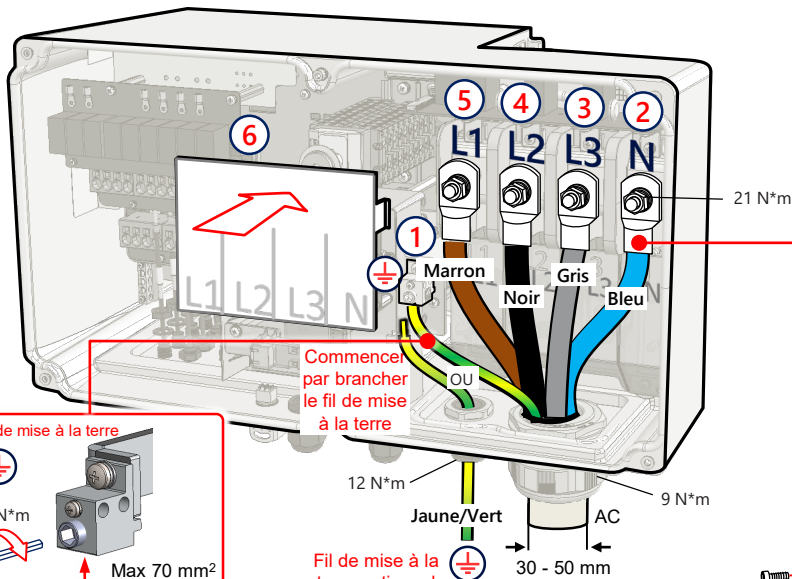
La mise à la terre électrique fonctionnelle du pôle négatif ou positif côté DC est interdite car l'onduleur n'a pas de transformateur. La mise à la terre des cadres de module et de l'équipement de montage des modules du générateur photovoltaïque est acceptable



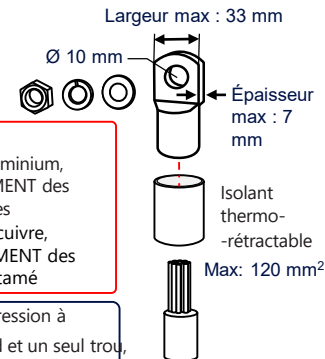
9 Raccordement AC et protection par mise à la terre (PE)

☰ L'onduleur autorise un raccordement à 4 fils + mise à la terre ou 3 fils + mise à la terre

☰ La protection de la sortie AC contre les surtensions doit être assurée autrement (voir manuel)



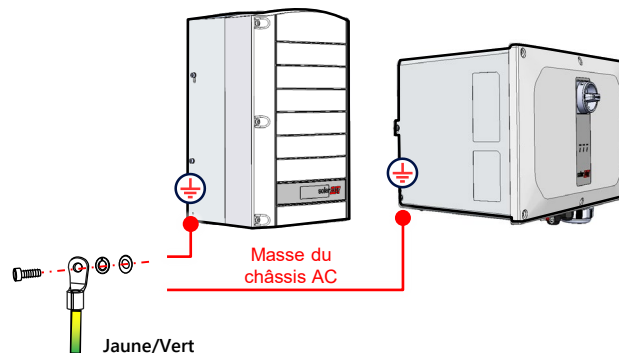
☰ Si un fil toronné est utilisé, l'utilisation d'une virole est à la discrétion de l'installateur.



ATTENTION!

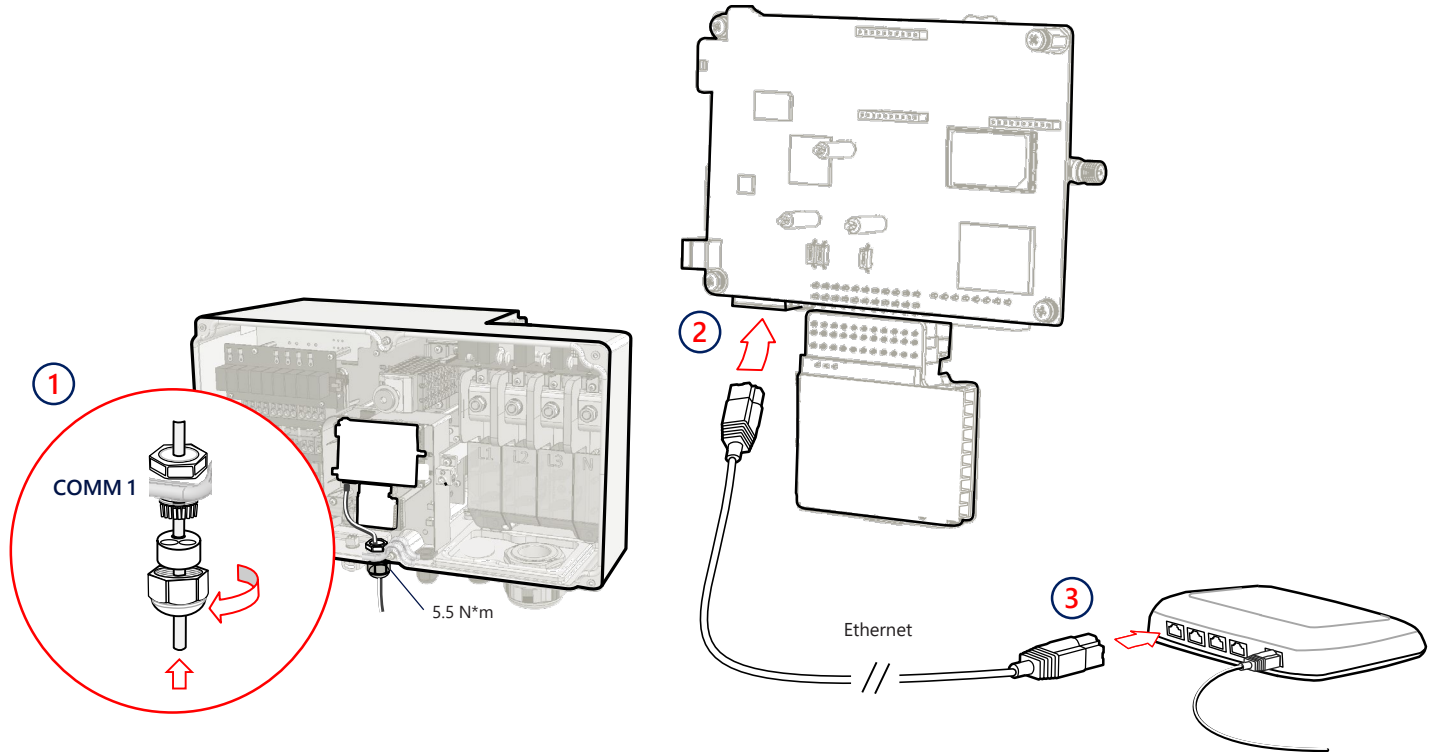
⚠ Avec des fils en aluminium, UTILISEZ UNIQUEMENT des cosses bimétalliques

- Avec des fils en cuivre, UTILISEZ UNIQUEMENT des cosses en cuivre étamé

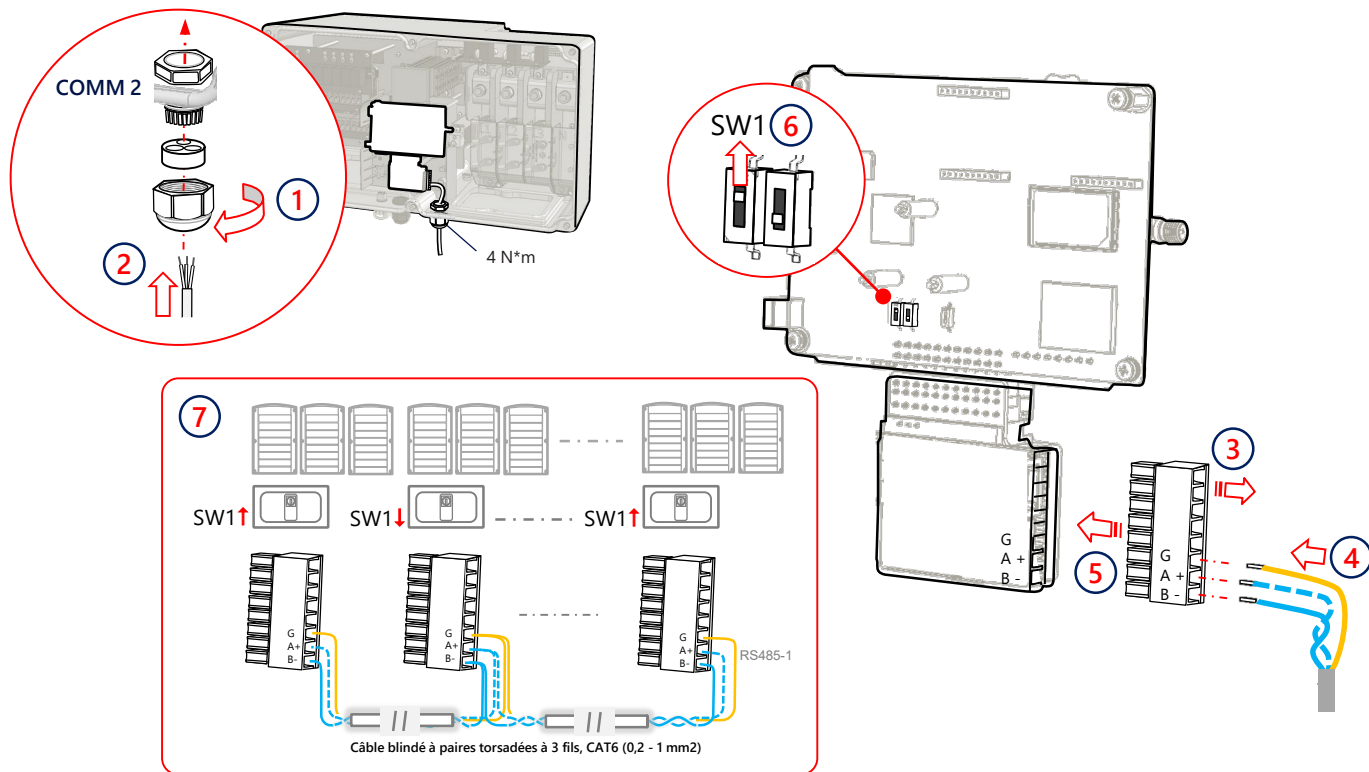


Communication LAN

10

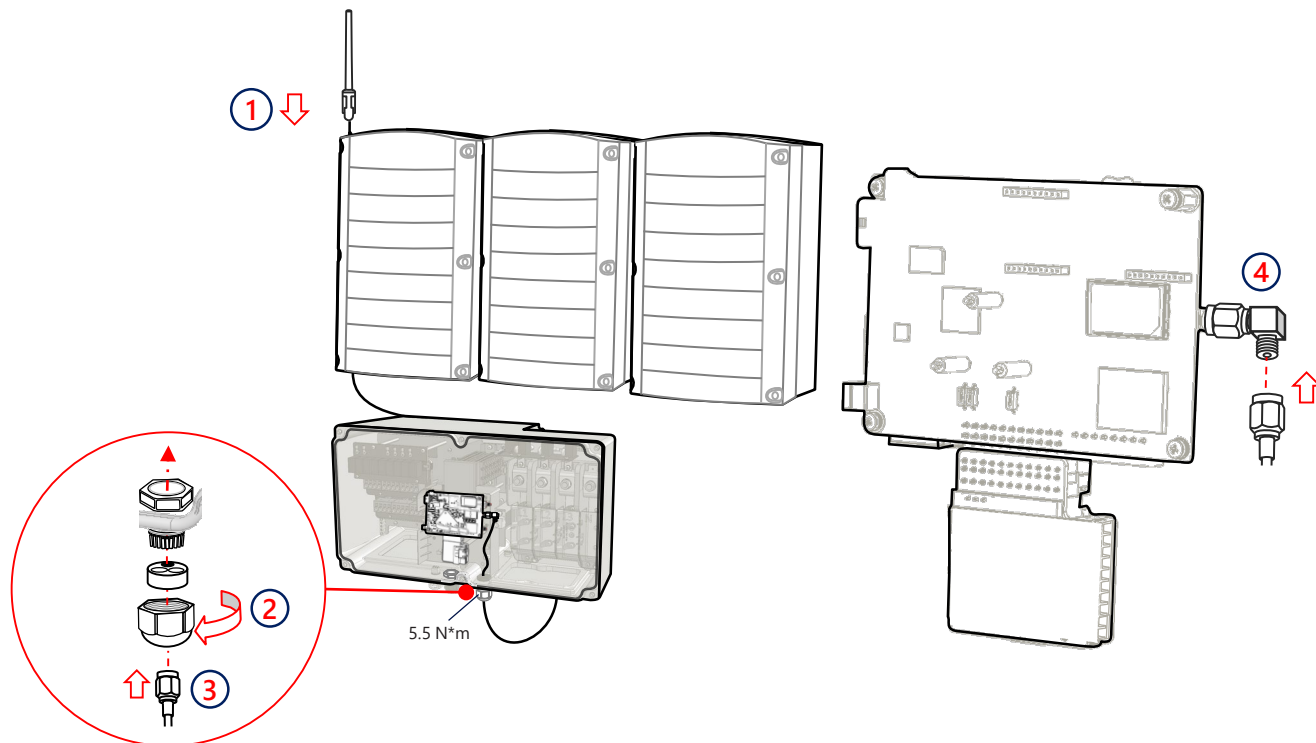


Branchement RS485 de plusieurs onduleurs



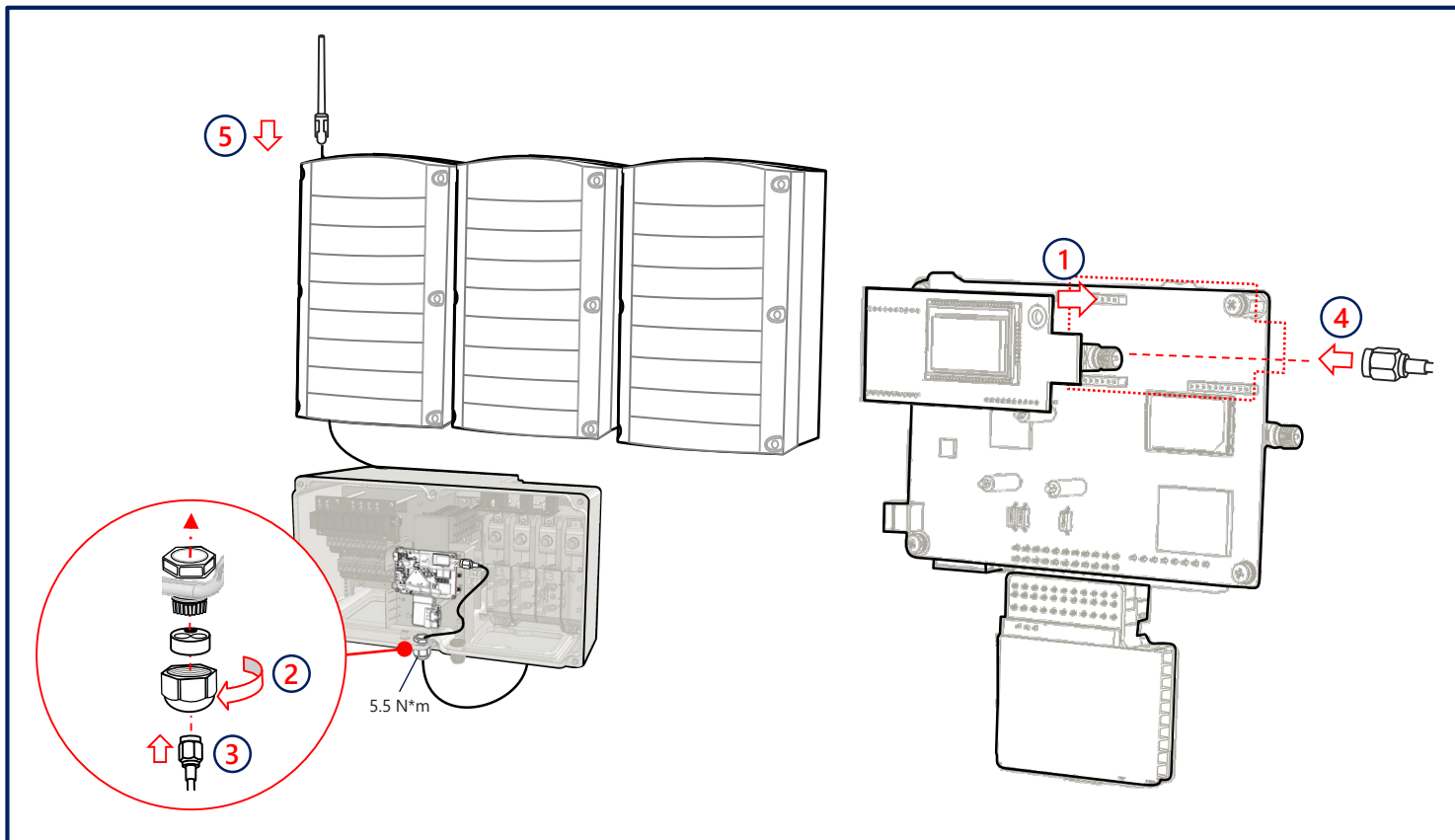
Branché la communication Wi-Fi (optionnel)

12



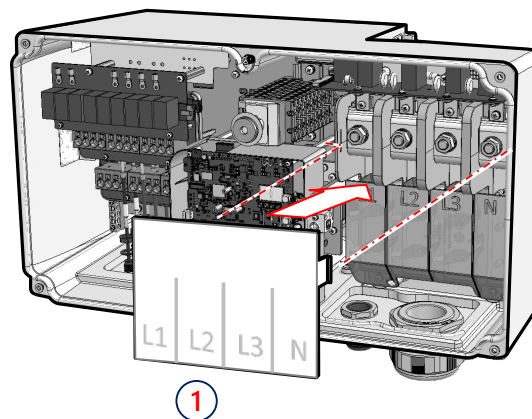
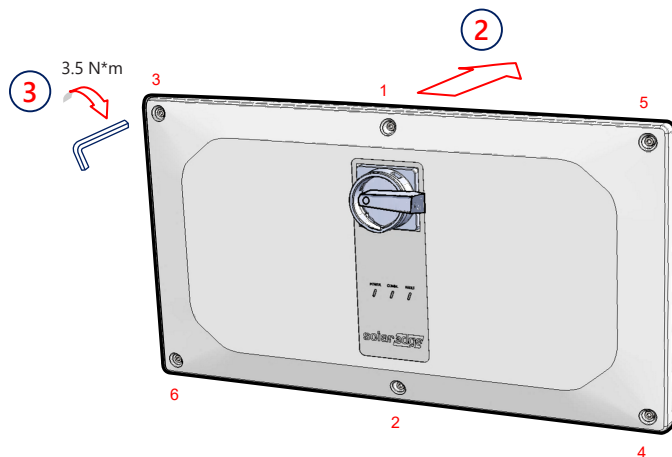
13

Raccordement au réseau mobile (optionnel)



Pose des couvercles

14



Pré-mise en service lorsque le raccordement AC n'a pas encore été effectué (Option 1)

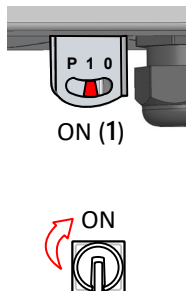
①

Télécharger
SolarEdge SetApp



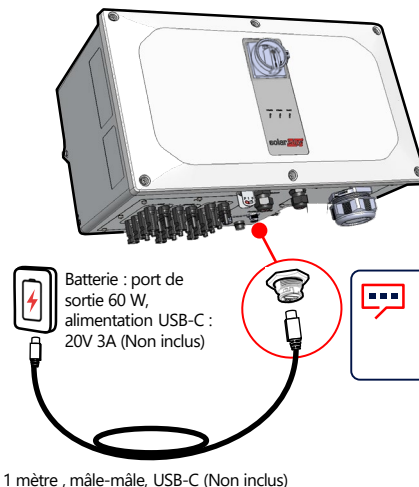
②

Mettre l'interrupteur
DC sur ON (1)



③

Connecter la batterie



Batterie : port de
sortie 60 W,
alimentation USB-C :
20V 3A (Non inclus)

1 mètre , mâle-mâle, USB-C (Non inclus)

④

Démarrer et suivre SetApp



Couvrir le connecteur
en cas de non
utilisation

Pré-mise en service lorsque le raccordement AC n'a pas encore été effectué (Option 2)

①

Télécharger
SolarEdge SetApp



②

Mettre l'appareil
sous tension

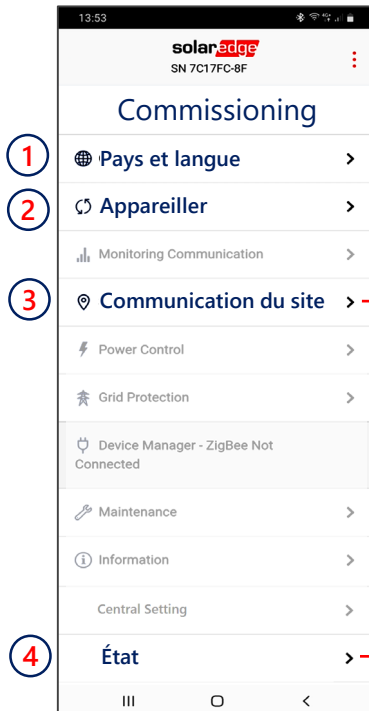
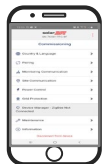


③

Démarrer et suivre SetApp



Mise en service de l'onduleur maître Synergy Manager



RS485-1 → Protocole → SolarEdge → Maître SolarEdge
 RS485-1 → Détection Esclave

Site		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Onduleur		
SN 07318000C		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

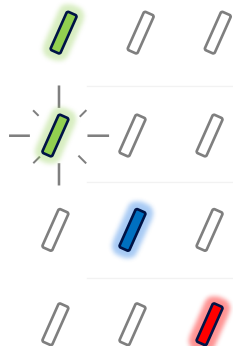
Unités d'onduleur		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

Signification des voyants

18

ERREUR COMM ALIM

Vert Bleu Rouge



Le système produit de l'électricité

L'alimentation AC est connectée, mais le système ne produit pas d'électricité

L'onduleur est en communication avec la plate-forme de supervision

Erreur système



Coordonnées de l'assistance technique:

Si vous rencontrez des problèmes techniques concernant les produits SolarEdge, veuillez nous contacter:

<https://www.solaredge.com/service/support>

Sujet à changement sans préavis.

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Inverter trifase con tecnologia Synergy

Guida rapida di installazione

PN: SExxK-xxxxlxxxx

Per Europa, APAC e
Sudafrica

Version 1.3

Legenda



NOTA

Questo simbolo indica delle informazioni volte ad aiutare l'utente nel fare un uso ottimale del prodotto.



Questo simbolo appare sui punti di messa a terra indicati nei manuali e nelle apparecchiature SolarEdge.



ATTENZIONE!

Indica un rischio. Richiama l'attenzione su una procedura che, se non eseguita correttamente o rispettata, potrebbe provocare danni o distruzione del prodotto. Non ignorare i messaggi di attenzione finché le condizioni indicate non siano state perfettamente comprese e rispettate.



Portare su ON/OFF il sezionatore CA principale e attendere 5 minuti



AVVERTENZA!

Indica un rischio. Richiama l'attenzione su una procedura che, se non eseguita correttamente o rispettata, potrebbe provocare lesioni anche fatali. Non procedere oltre un'avvertenza finché le condizioni indicate non siano state perfettamente comprese e rispettate.



Portare su ON/OFF il sezionatore di sicurezza CC sul Synergy Manager e attendere 5 minuti (Applicabile solo per i modelli con sezionatore di sicurezza CC)



Non tagliare i connettori dei cavi

CONSERVARE QUESTE ISTRUZIONI – Il presente manuale contiene importanti istruzioni per l'inverter trifase che devono essere seguite durante l'installazione e la manutenzione. L'utilizzo di questa apparecchiatura in un modo non specificato da SolarEdge nel presente documento può compromettere la protezione fornita dall'apparecchiatura.

Installazione degli ottimizzatori di potenza

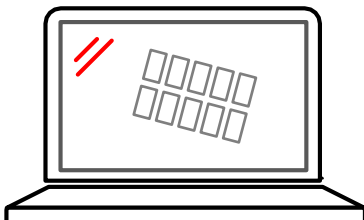
1

1 → 2 → 3 → 4 → 5 → 6

1

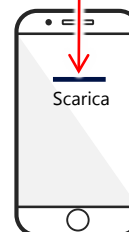
Utilizza Designer di SolarEdge
per progettare un sistema
SolarEdge

<https://designer.solaredge.com>



2

Scarica Mapper di SolarEdge
per mappare gli ottimizzatori di
potenza delle stringhe

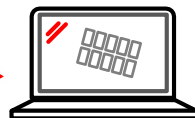
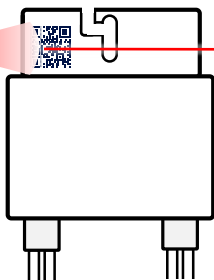


Installazione degli ottimizzatori di potenza

1 → 2 → 3 → 4 → 5 → 6

3

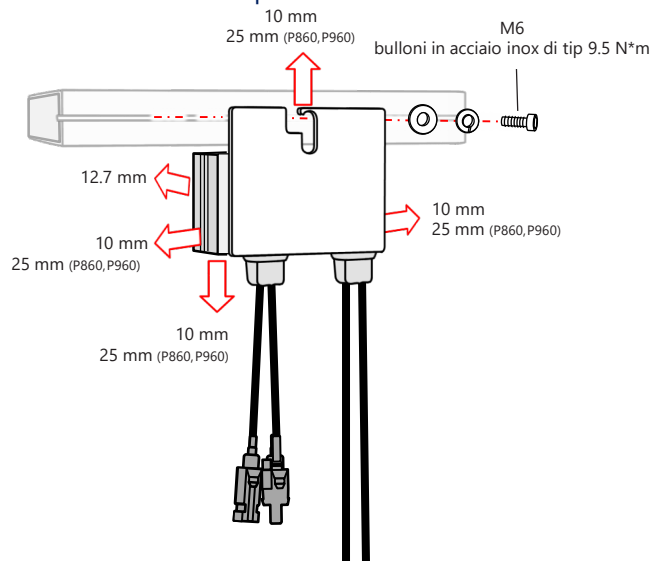
Scansiona il codice QR
usando Mapper



Completa la registrazione
dell'impianto e il layout fisico
nella piattaforma di
monitoraggio

4

Installa l'ottimizzatore di
potenza

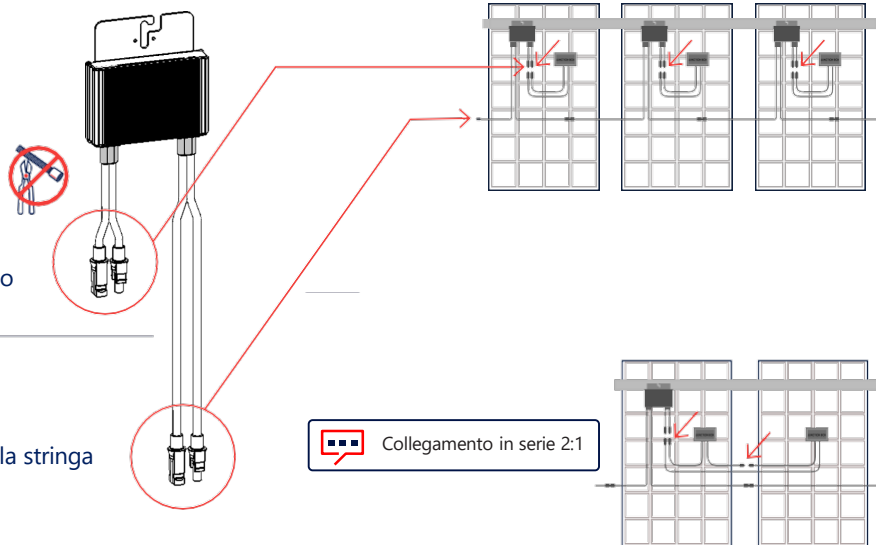


Installazione degli ottimizzatori di potenza

① → ② → ③ → ④ → ⑤ → ⑥

⑤ Collega l'ingresso al modulo

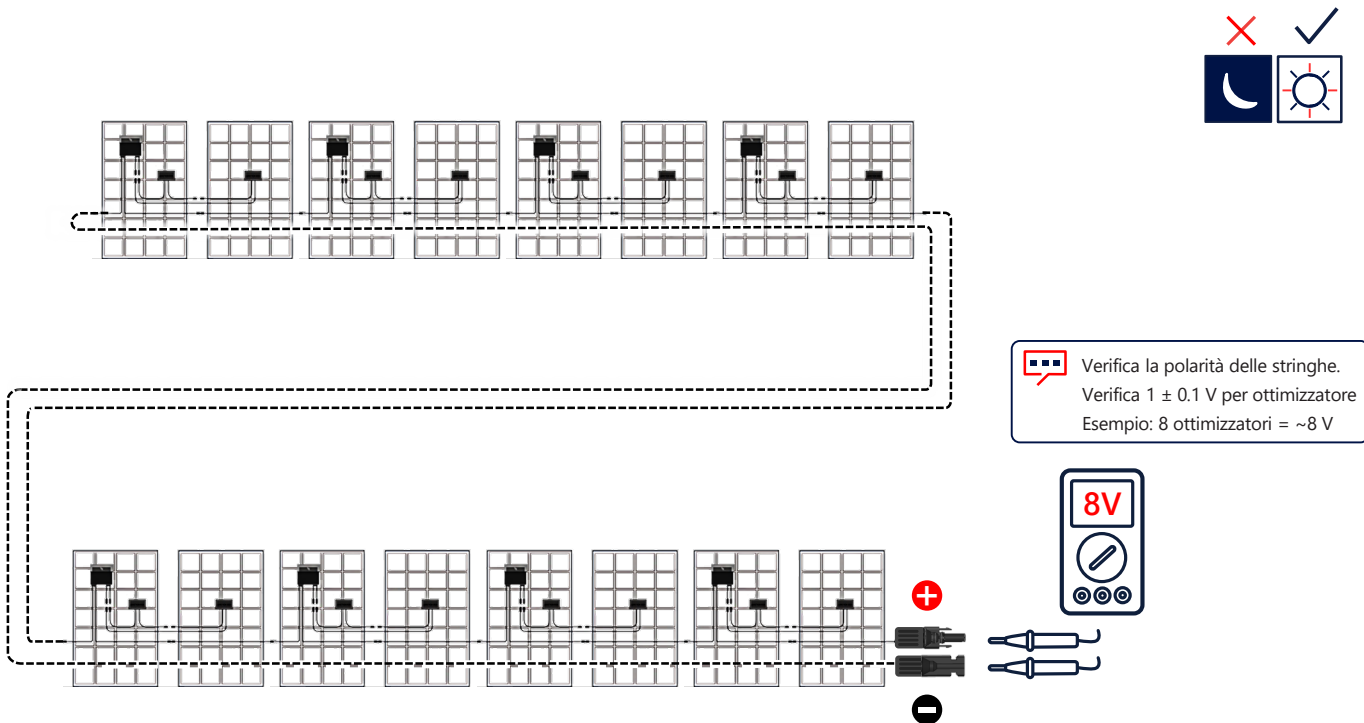
⑥ Collega l'uscita alla stringa



Utilizza un ottimizzatore a doppio ingresso (P800p) per la connessione di due moduli FV in parallelo o utilizza un cavo di derivazione per collegare due moduli FV a un ottimizzatore a ingresso singolo.

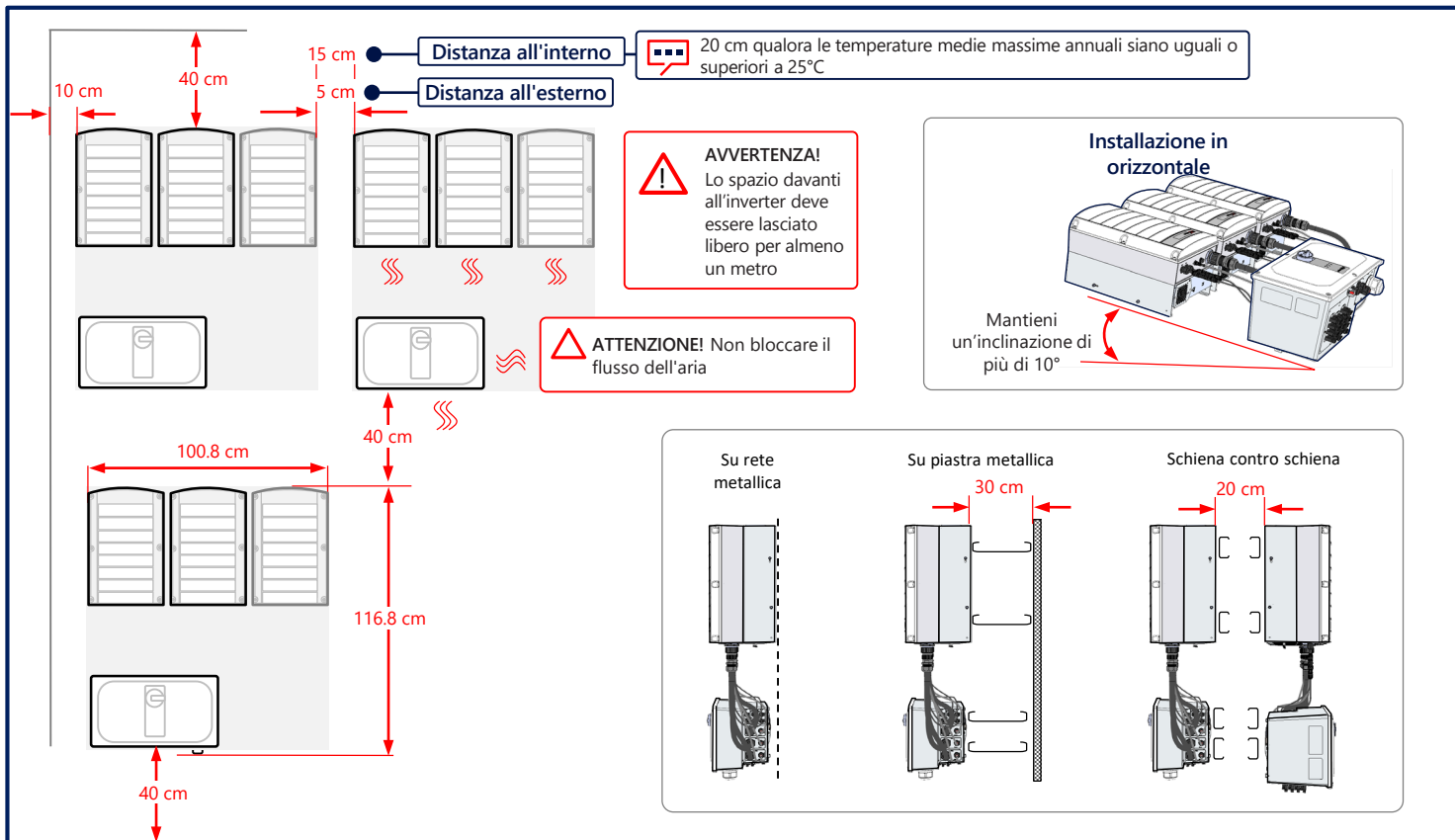
2

Collegamento delle stringhe FV



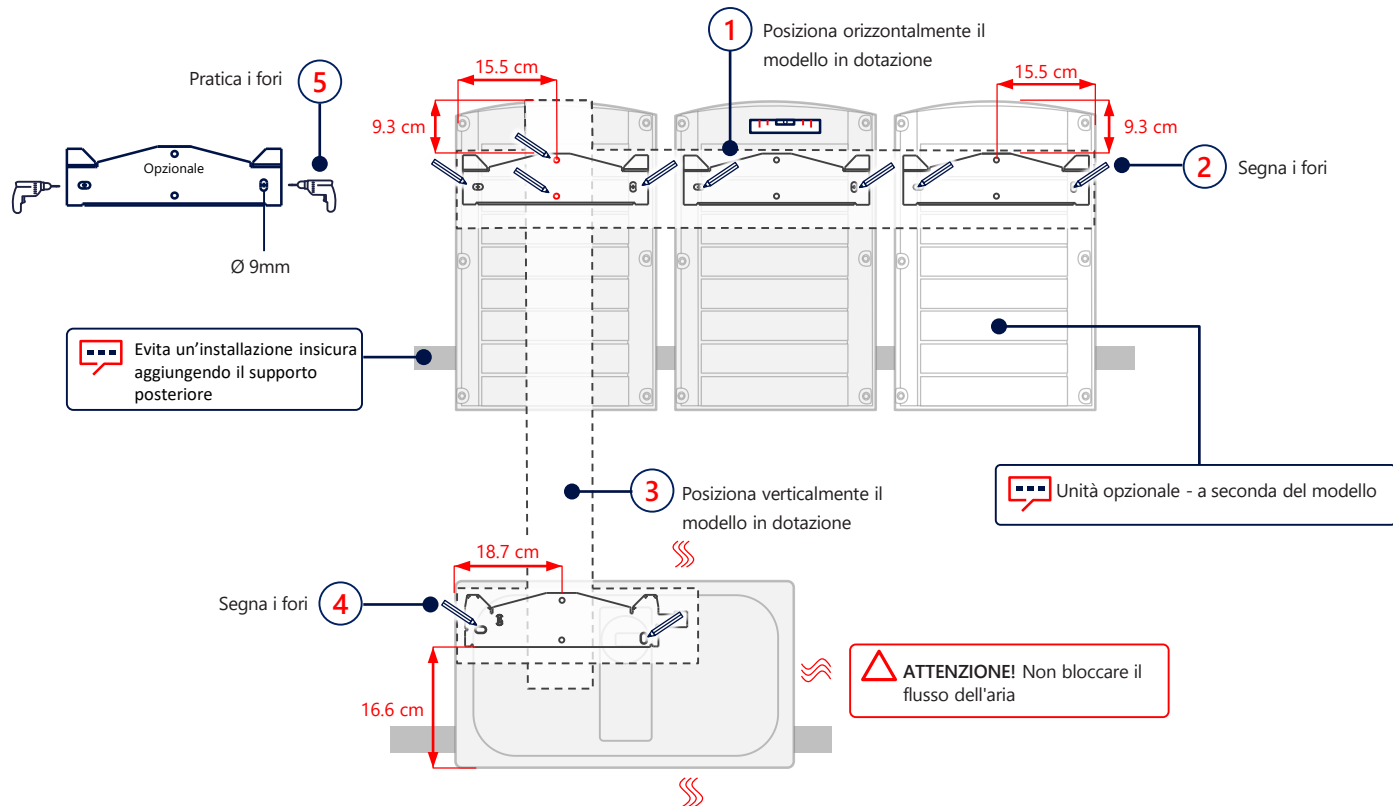
Distanze da rispettare

3



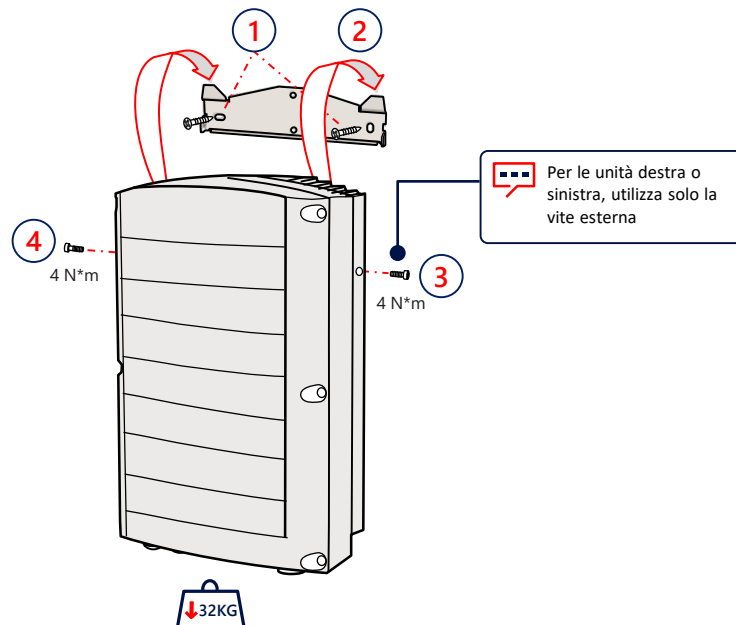
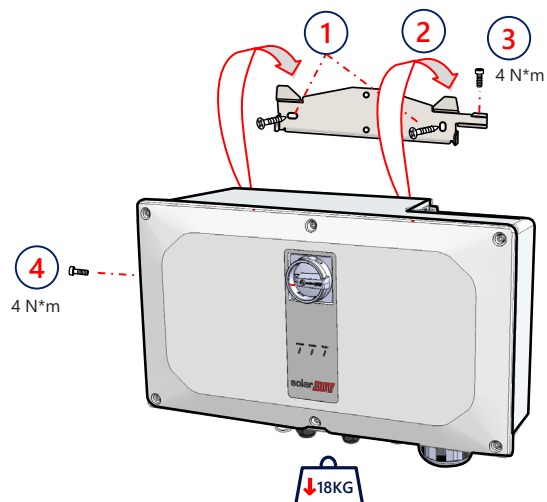
4

Segna e pratica i fori



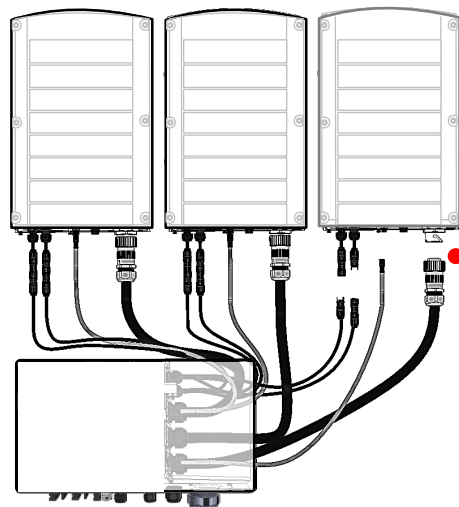
Montaggio delle Unità

5

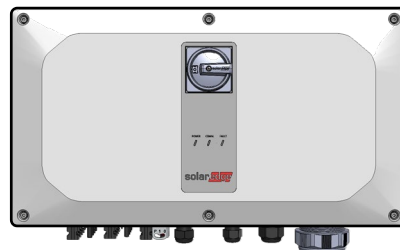
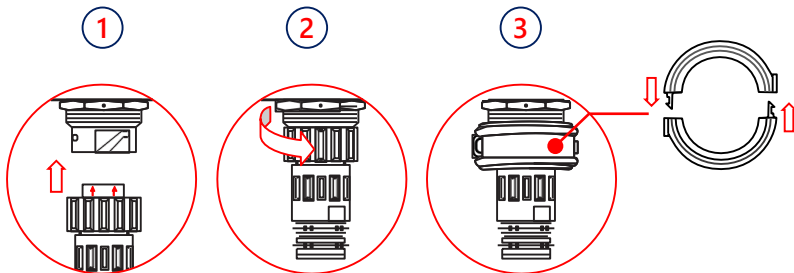


6

Collegamento dei cavi



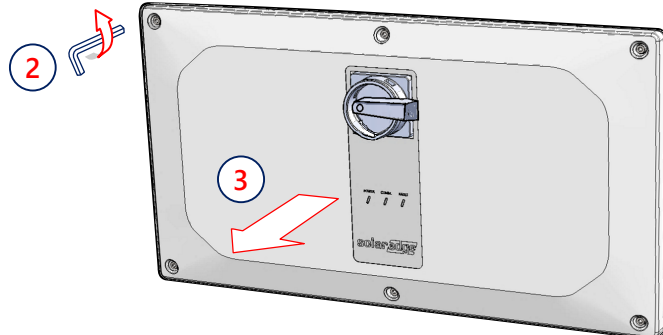
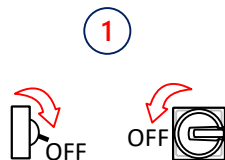
Collega i cavi secondo le etichette



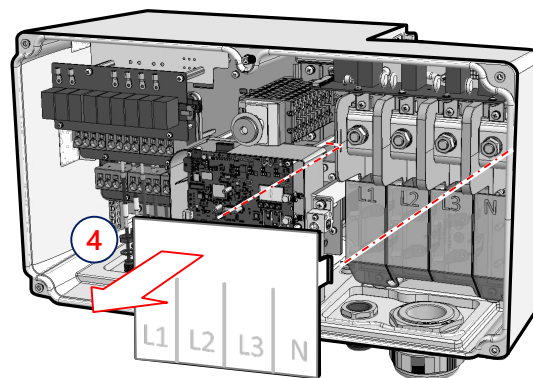
ATTENZIONE! Non bloccare il flusso dell'aria



Rimozione dei coperchi

7**AVVERTENZA**

SCOLLEGARE L'ALIMENTAZIONE PRIMA DI INIZIARE L'INSTALLAZIONE



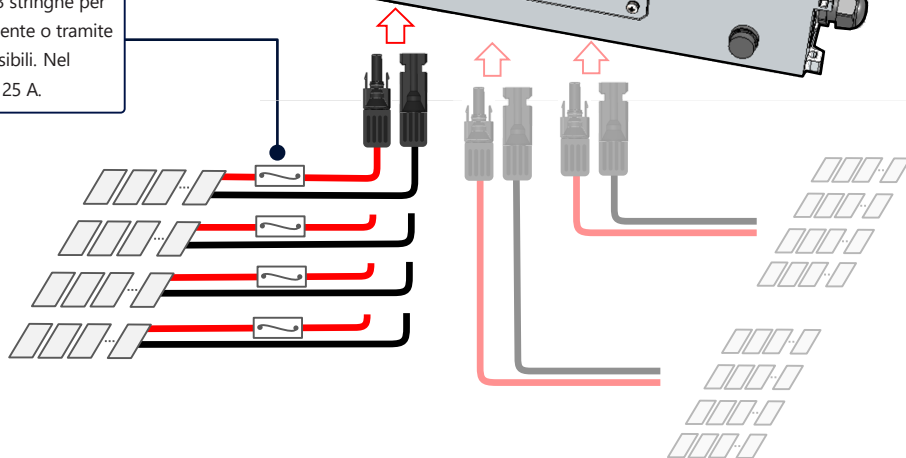
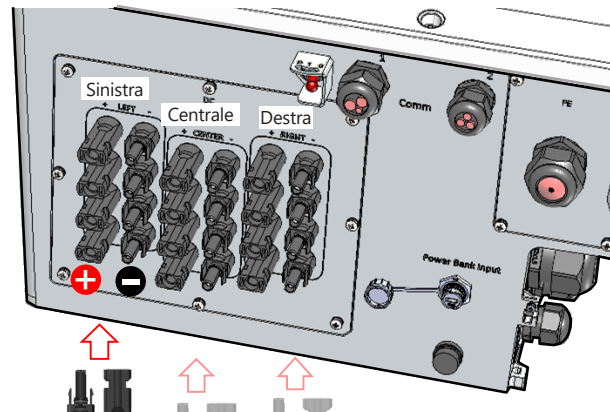
Collegamento delle stringhe FV

Unità Synergy
Sinistra Centrale Destra



Mantieni chiusi i connettori non utilizzati

Importante: Quando si installano più di 3 stringhe per singola Unità Synergy (connesse direttamente o tramite un quadro di parallelo), sono necessari fusibili. Nel sistema SolarEdge, vanno usati fusibili da 25 A.

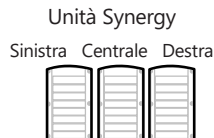
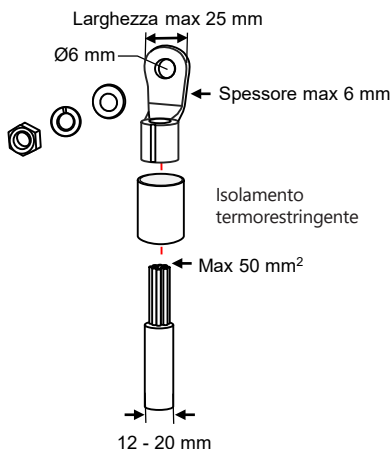


Collegamento delle stringhe FV tramite Ingresso CC Singolo

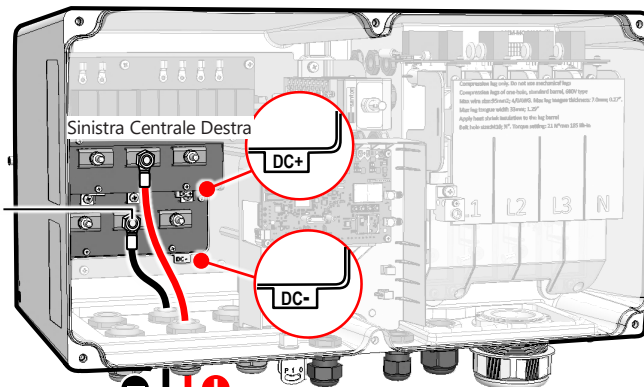


ATTENZIONE!

- Per cavi di alluminio, USA SOLO capicorda bi-metallici
- Per cavi in rame, USA SOLO capicorda in rame stagnato



5.7 N*m



Importante: Quando si installano più di 3 stringhe per singola Unità Synergy (connesse direttamente o tramite un quadro di parallelo), sono necessari fusibili. Nel sistema SolarEdge, vanno usati fusibili da 25 A.



La messa a terra funzionale dei poli positivo o negativo lato CC non è permessa perché l'inverter è privo di trasformatore. La messa a terra delle cornici dei moduli e delle strutture di sostegno è permessa.

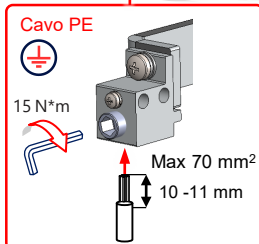
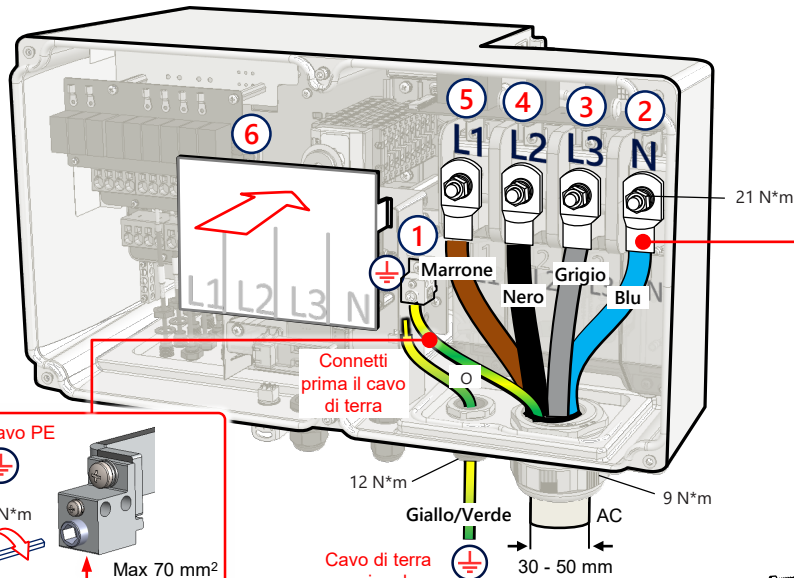


9

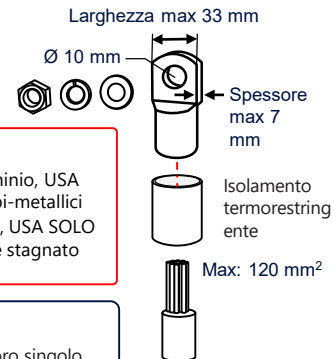
Connessione CA e cavo di terra (PE)

☒ L'inverter supporta sia la configurazione a 4 cavi + PE, sia a 3 cavi + PE

☒ La protezione da sovracorrente per l'uscita CA deve essere fornita da terzi, consulta il manuale per la guida



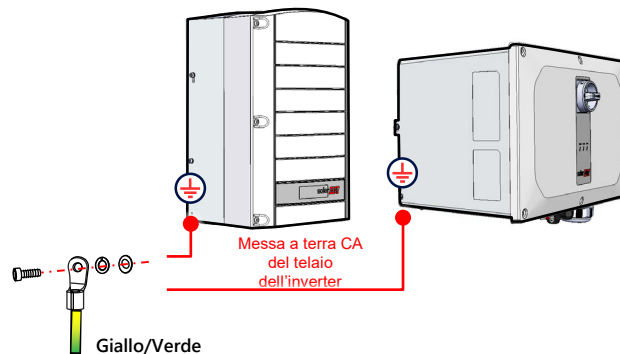
☒ Se si utilizza un cavo a trefoli, l'uso di puntali è a discrezione dell'installatore



ATTENZIONE!

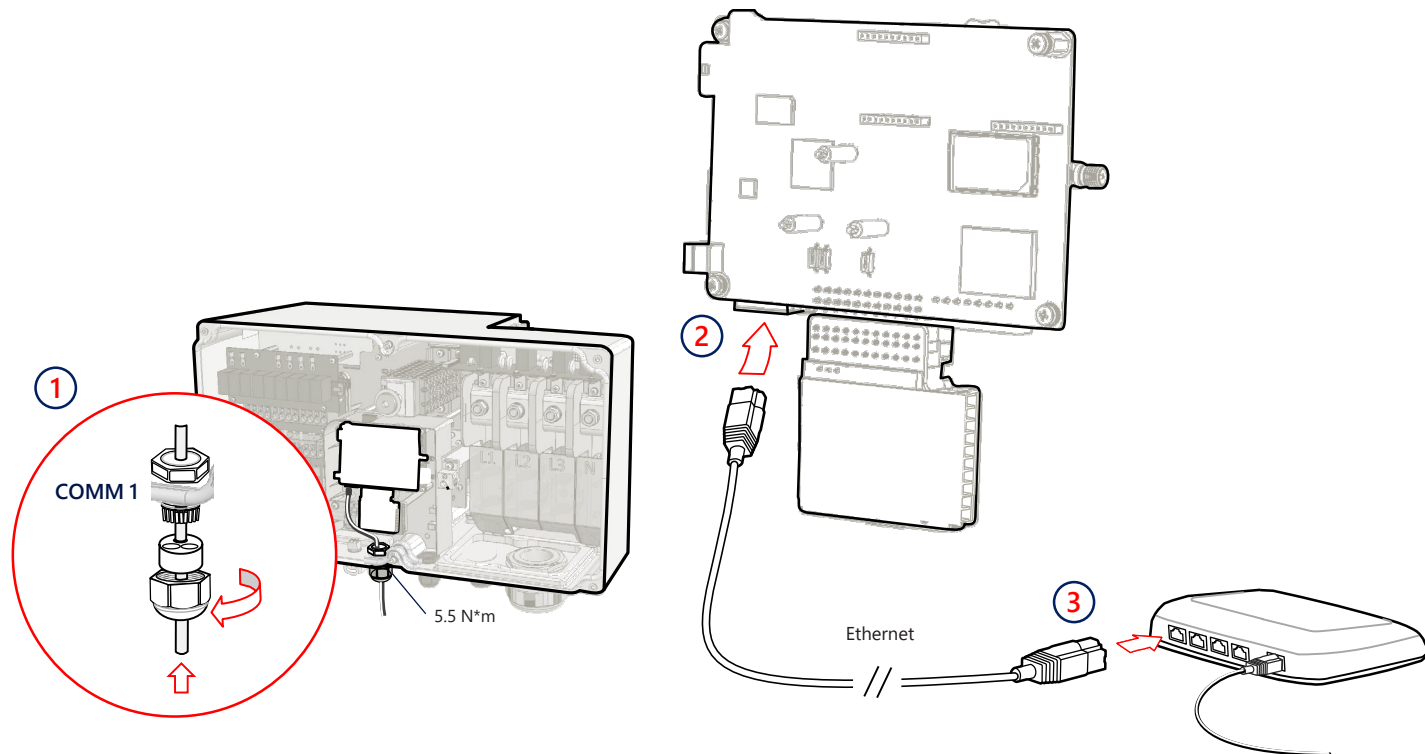
- Per cavi di alluminio, USA SOLO capicorda bi-metallici
- Per cavi in rame, USA SOLO capicorda in rame stagnato

☒ Solo capicorda a compressione, foro singolo, fusto standard 600V

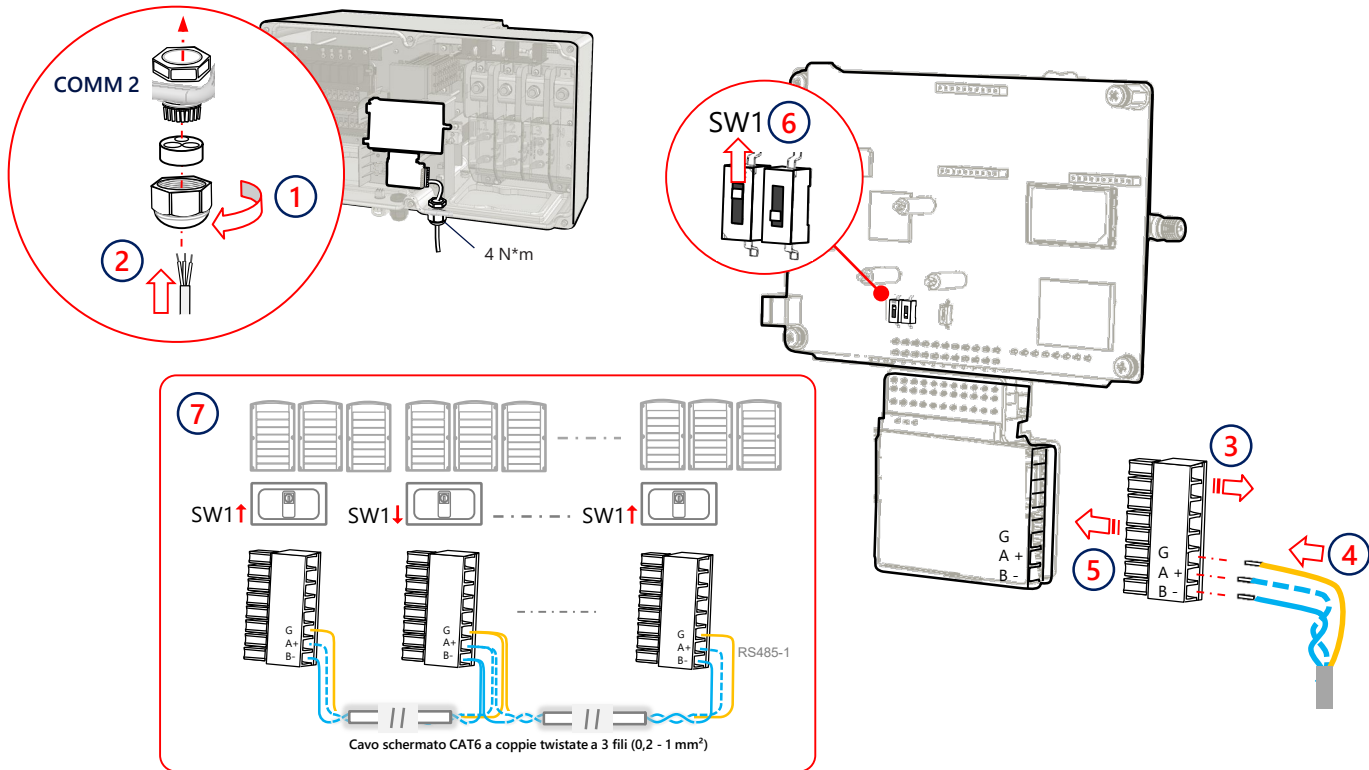


Comunicazione LAN

10

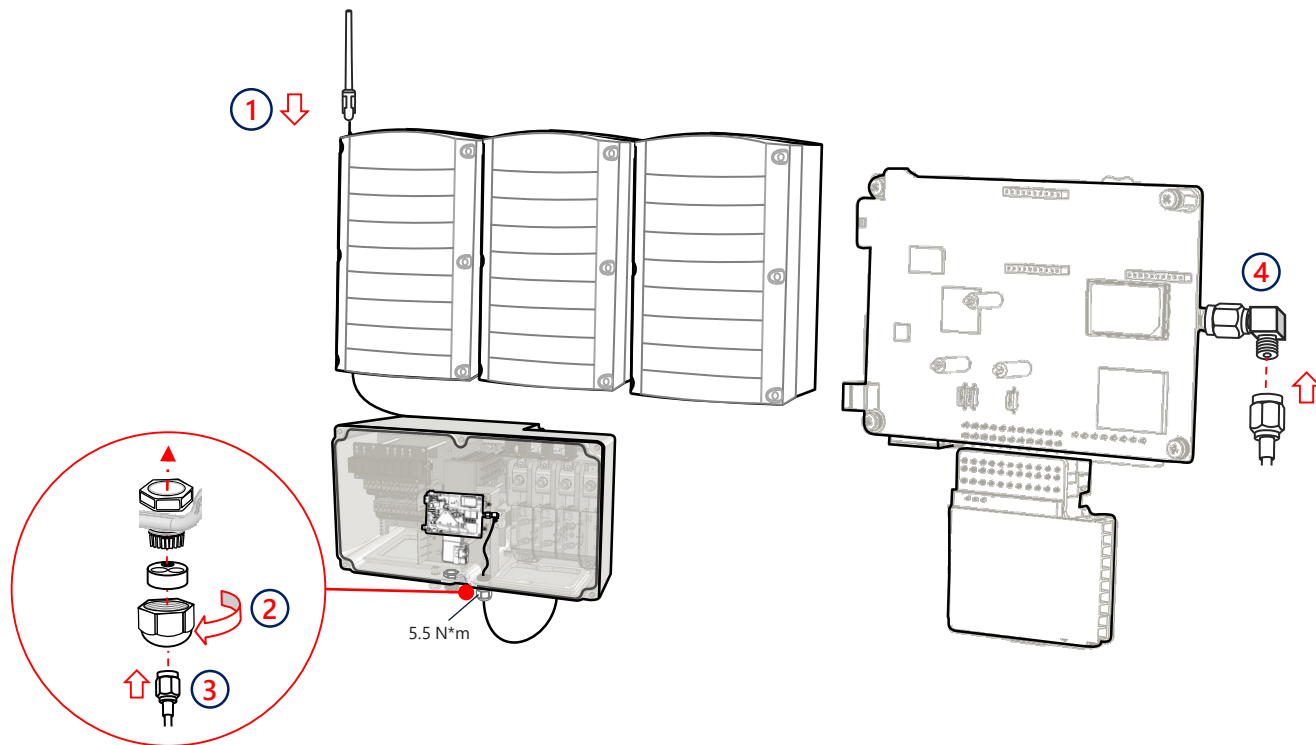


Connessione RS485 di inverter multipli



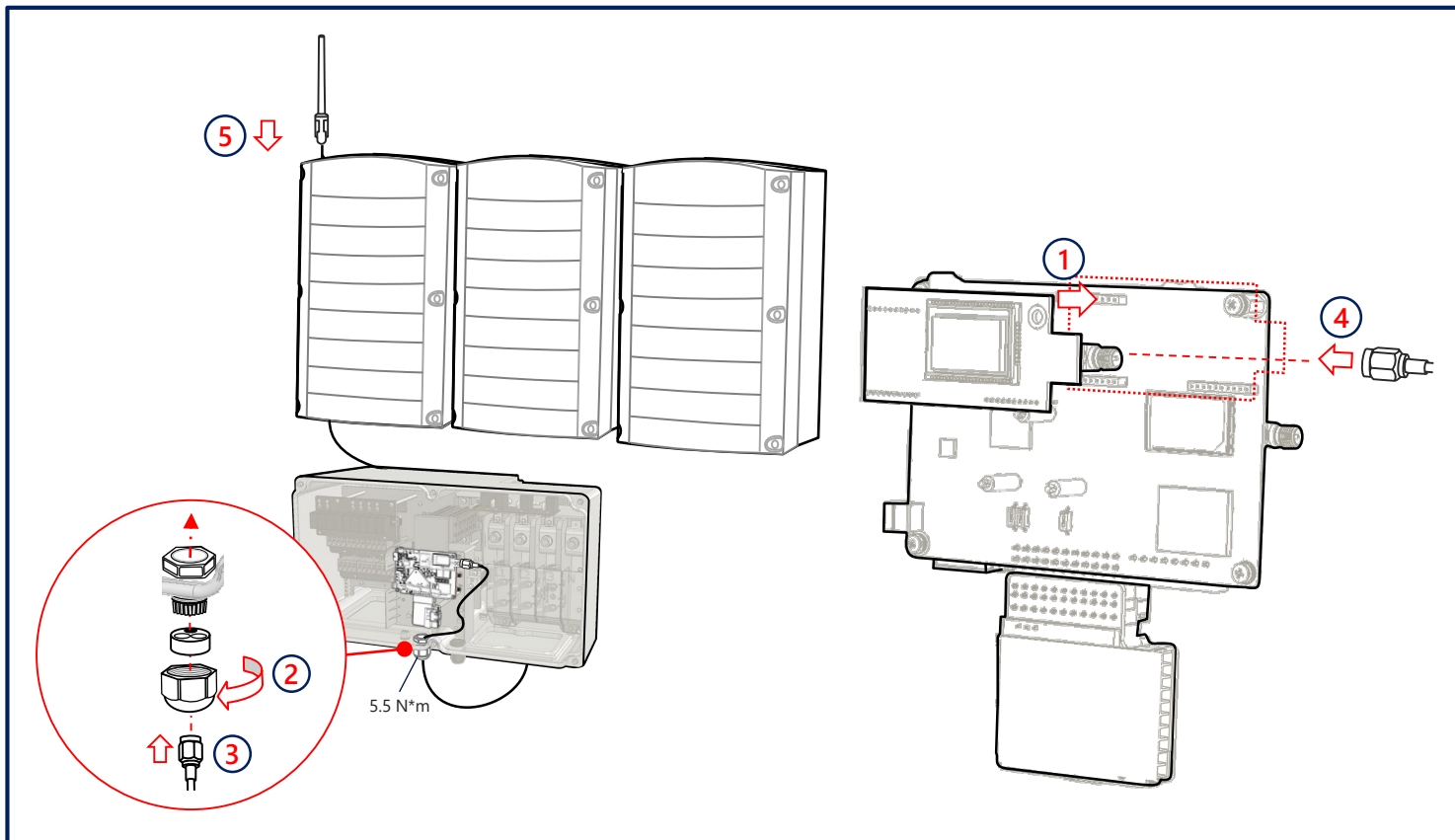
Collegamento Comunicazione Wi-Fi (opzionale)

12



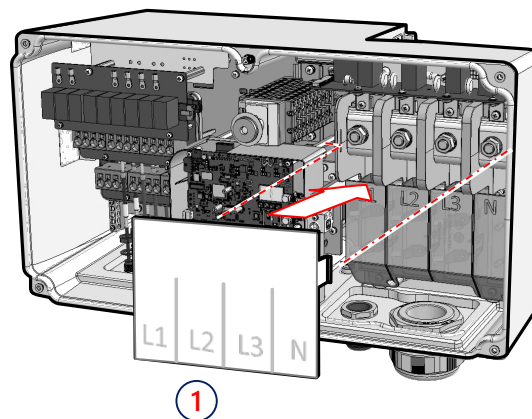
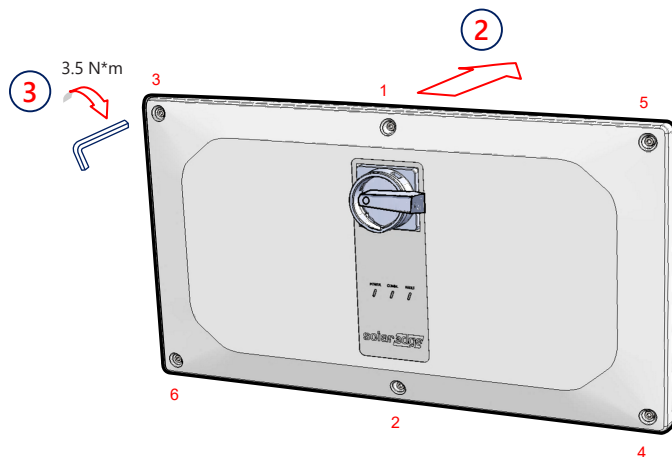
13

Collegamento della comunicazione cellulare (opzionale)



Installazione dei coperchi

14



Pre-commissioning con alimentazione CA non collegata (opzione 1)

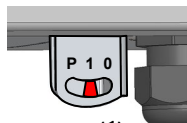
1

Scarica SetApp di SolarEdge



2

Porta su ON (1) il sezionatore CC

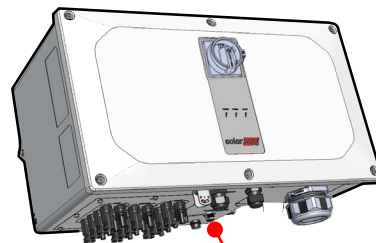


ON (1)

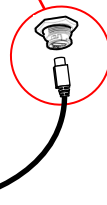


3

Collega il power bank



Power bank: USB-C
Power Delivery (PD)
60 W in uscita: 20V 3A
(non fornito)



Proteggere il
connettore
se non in uso

1 metro, maschio-maschio, USB-C (non fornito)

4

Avvia e segui SetApp



Messa in servizio con alimentazione CC e CA (opzione 2)

16**1**

Scarica SetApp di SolarEdge

**2**

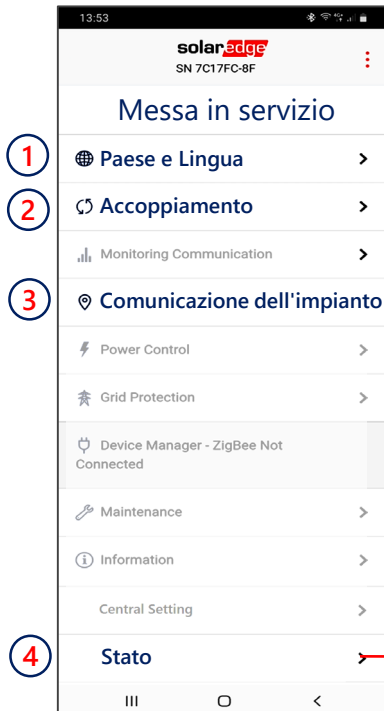
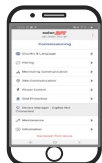
Porta su ON i sezionatori

**3**

Avvia e segui SetApp



Messa in servizio dell'inverter Leader



RS485-1 → Protocollo → SolarEdge → Solaredge Leader
 RS485-1 → Rilevamento Follower

Site		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Inverter SN 07318000C		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Unità inverter		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POWER COMM FAULT

Verde

Blu

Rosso



Il sistema produce Energia



L'alternata è collegata ma il sistema non sta producendo energia



L'inverter sta comunicando con la piattaforma di monitoraggio



Errore del sistema



Informazioni di contatto del Supporto

Se avete problemi tecnici relativi a prodotti SolarEdge, vi preghiamo di contattateci:

<https://www.solaredge.com/it/service/support>

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Inversor trifásico con tecnología Synergy

Guía rápida de instalación

PN: SExxK-xxxxlxxxx

Para Europa, Asia
Pacífico y Sudáfrica
Versión 1.3

Leyenda



NOTA

Este símbolo indica información para ayudar al usuario a hacer un uso óptimo del producto.



Este símbolo aparece en los puntos de conexión a tierra en los manuales y en el equipo de SolarEdge.



¡PRECAUCIÓN!

Supone un peligro. Llama la atención sobre un procedimiento que, si no se realiza correctamente o no se cumple, podría provocar daños o la destrucción del producto. No proceder más allá de una señal de precaución hasta que las condiciones indicadas se entiendan y cumplan completamente.



Mover el interruptor de CA del cuadro de alimentación principal de ON a OFF y esperar 5 minutos



¡ADVERTENCIA!

Supone un peligro. Llama la atención sobre un procedimiento que, si no se realiza correctamente o no se cumple, podría provocar lesiones o pérdida de vidas humanas. No continúe tras una nota de advertencia hasta que haya entendido las condiciones indicadas y se cumplan totalmente.



Mover el interruptor de seguridad de CC del Synergy Manager de ON a OFF y esperar 5 minutos
(Aplicable solo para los modelos con interruptor de seguridad de CC)



No cortar los conectores de los cables

GUARDAR ESTAS INSTRUCCIONES: este manual contiene instrucciones importantes para el inversor trifásico que deben seguirse durante su instalación y mantenimiento. El uso de este equipo de una manera no especificada en este documento por SolarEdge por SolarEdge en este documento puede afectar la protección proporcionada por el equipo.

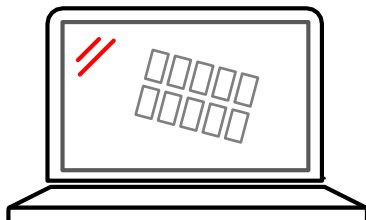
Instalación de los optimizadores de potencia

1

1 → 2 → 3 → 4 → 5 → 6

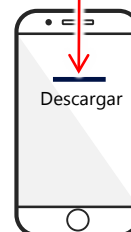
1

Utilizar SolarEdge Designer
para diseñar sistemas SolarEdge
<https://designer.solaredge.com>



2

Descargar SolarEdge Mapper
para mapear los optimizadores
de potencia

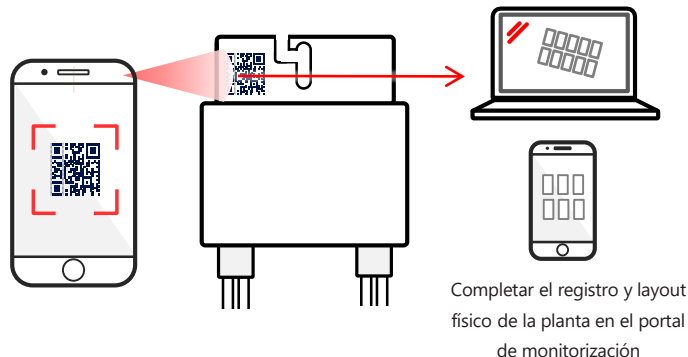


1 Instalación de los optimizadores de potencia

1 → 2 → 3 → 4 → 5 → 6

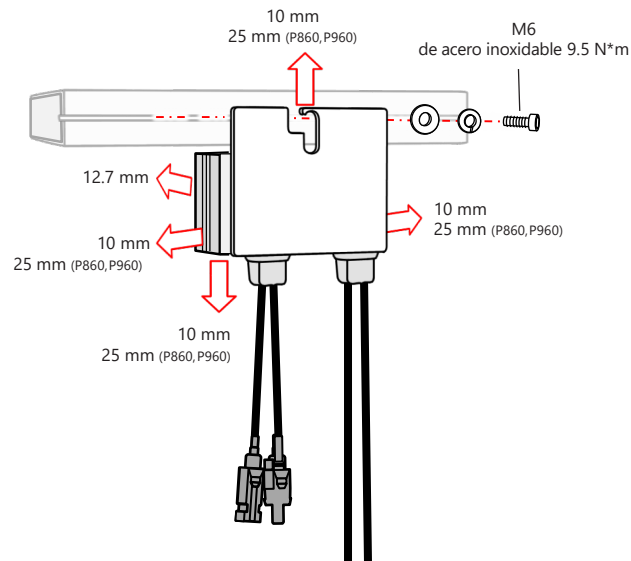
3

Escanear el código QR
usando Mapper



4

Instalación del
optimizador de potencia



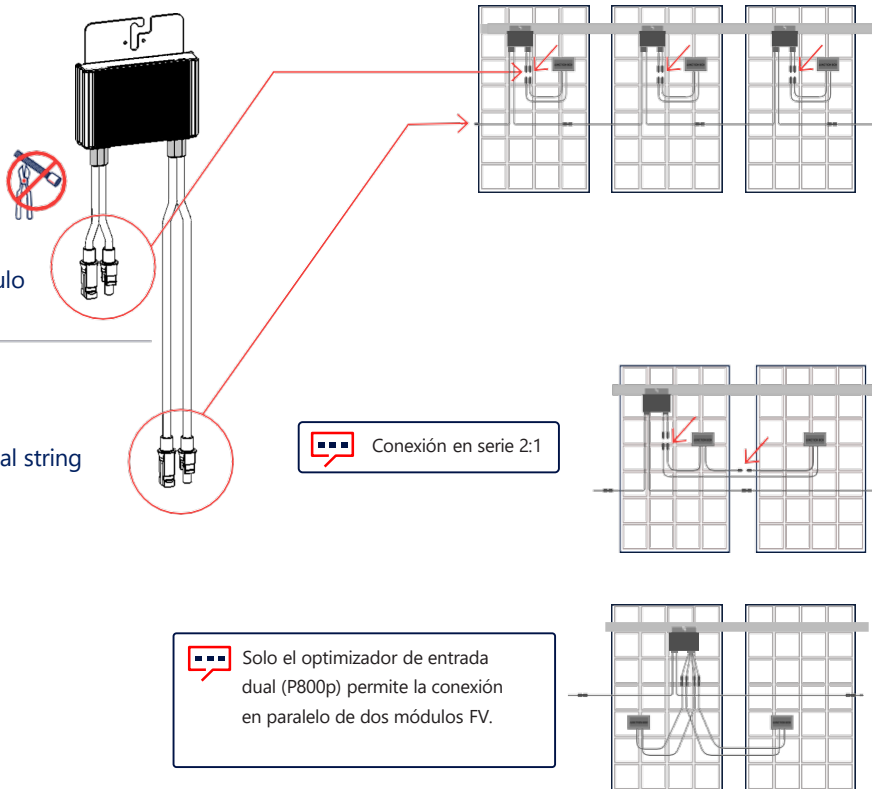
Instalación de los optimizadores de potencia

1

1 → 2 → 3 → 4 → 5 → 6

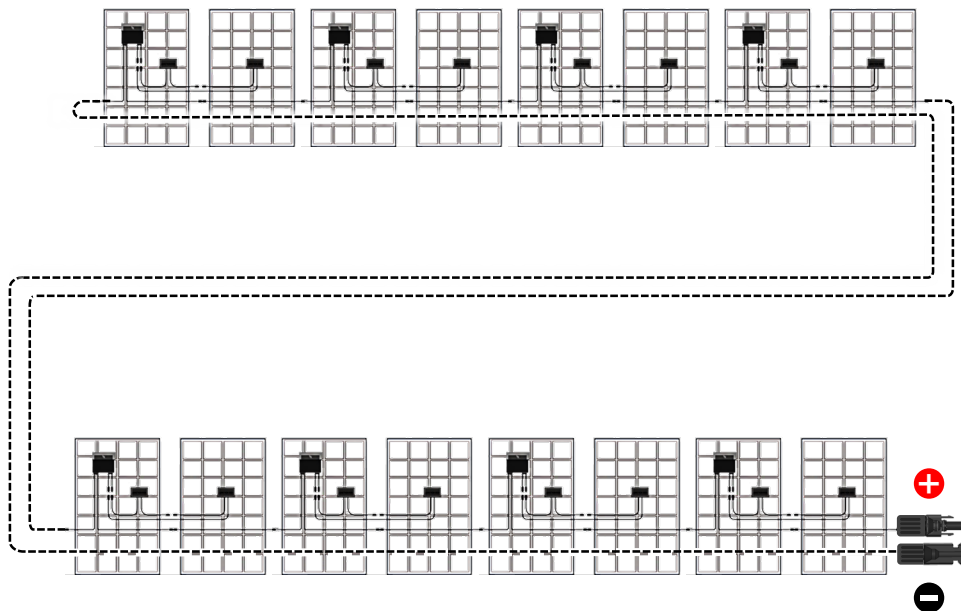
5 Conectar la entrada al módulo

6 Conectar la salida al string



2

Conexión del sistema de FV

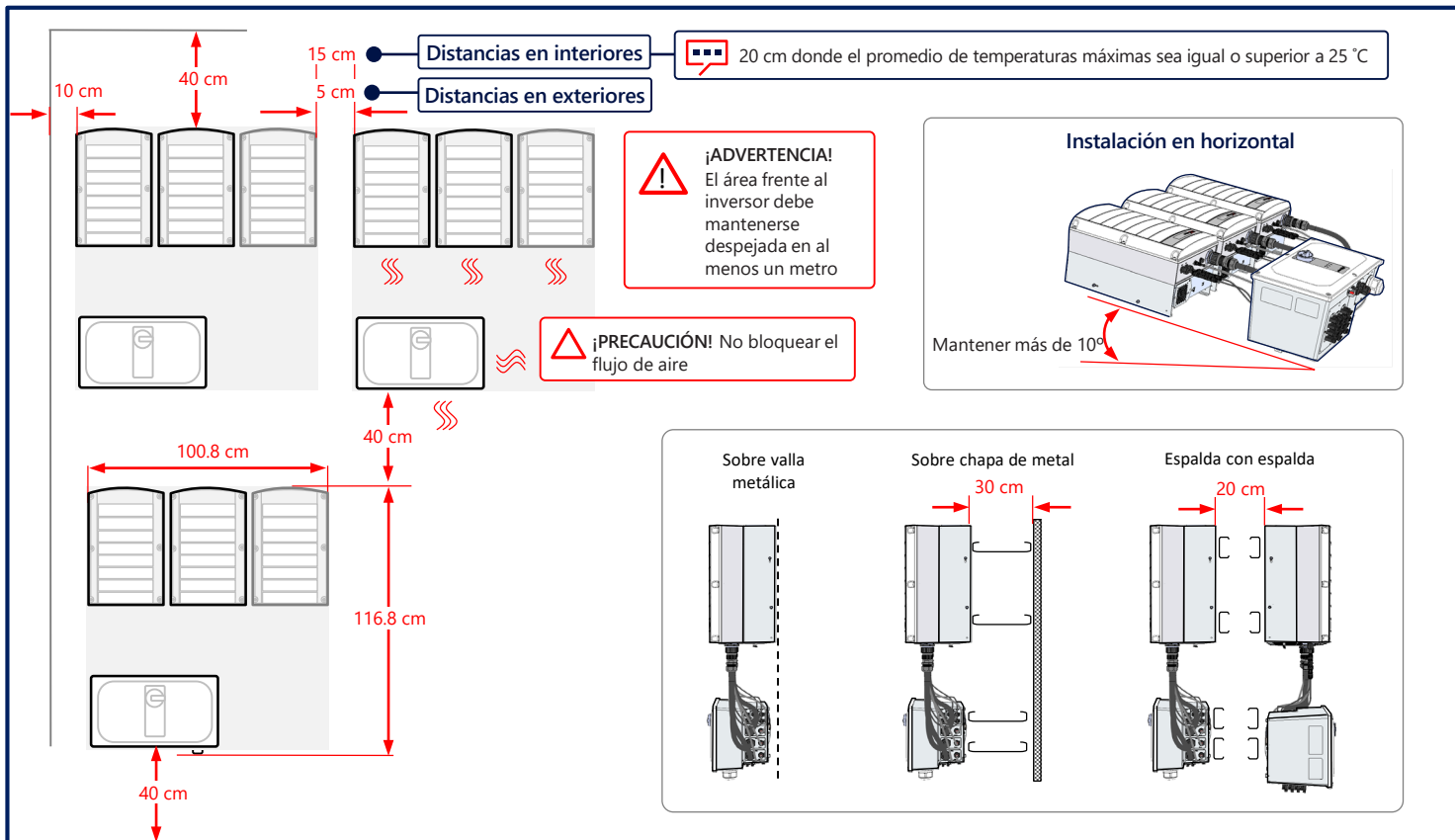


Comprobar la polaridad del sistema.
Verificar que se mida $1 \pm 0,1$ V por optimizador.
Por ejemplo, 8 optimizadores = ~ 8 V



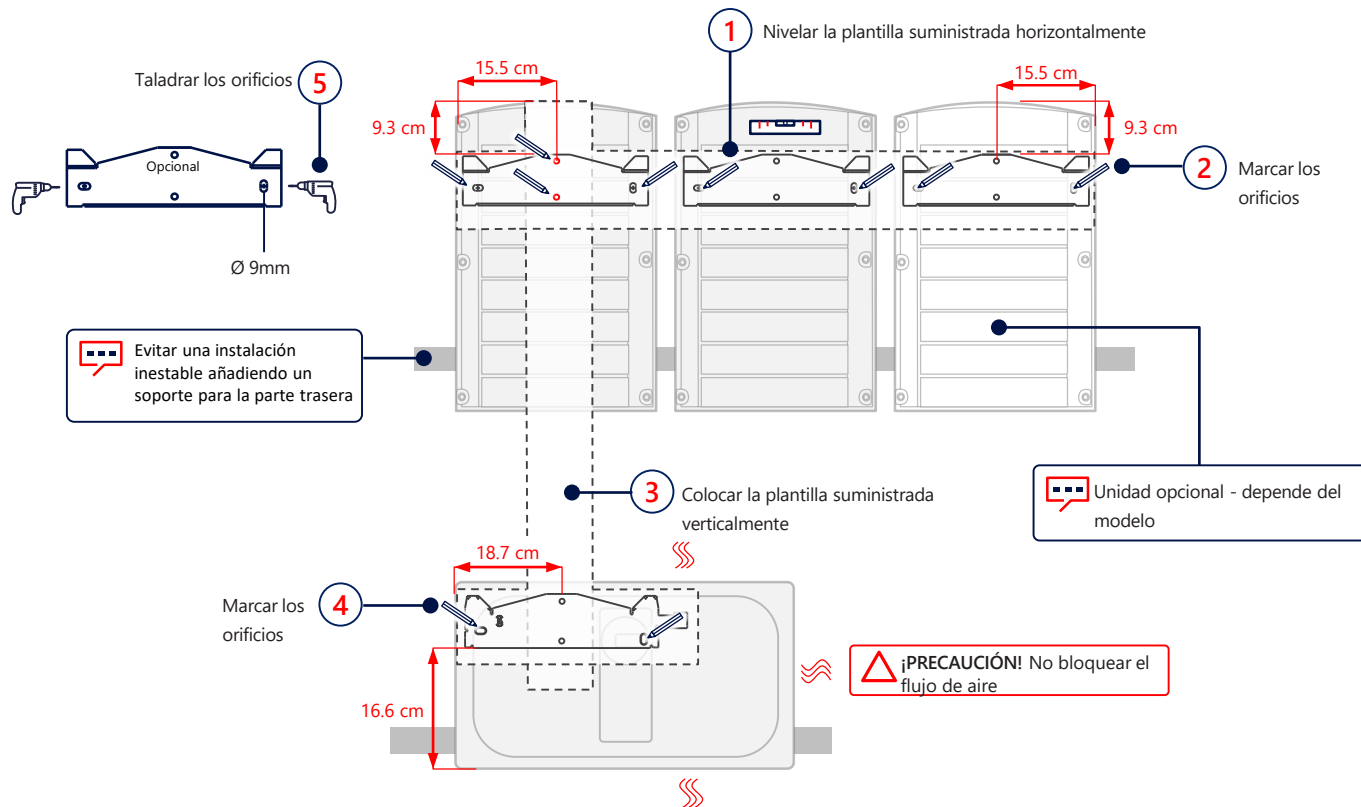
Mantener las distancias

3



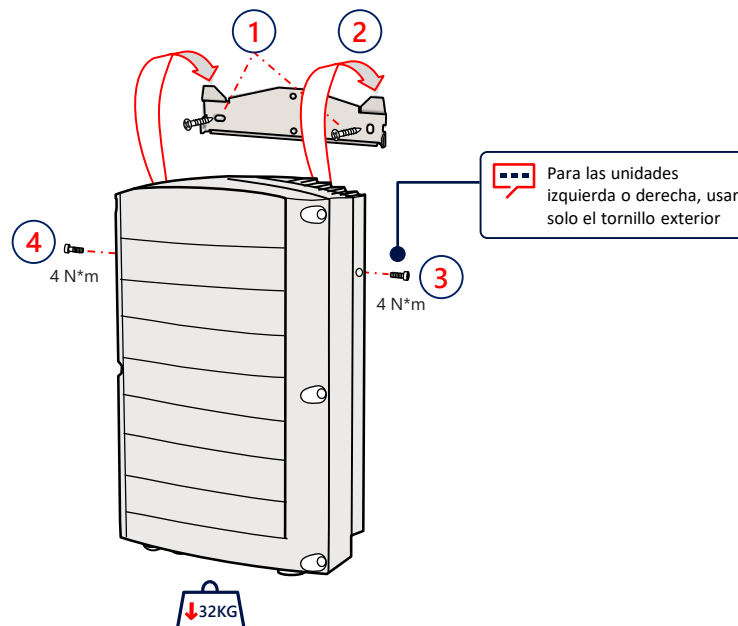
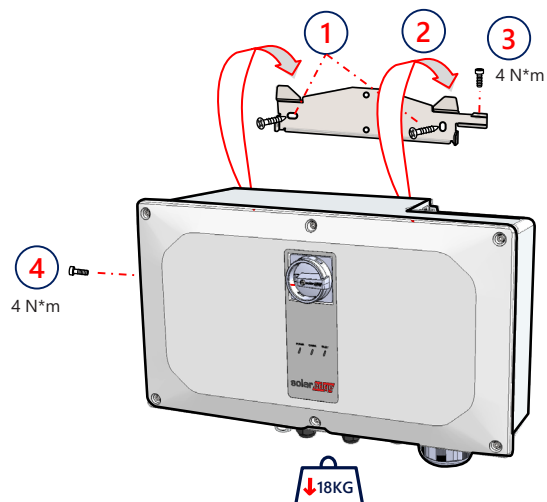
4

Marcar y perforar los orificios



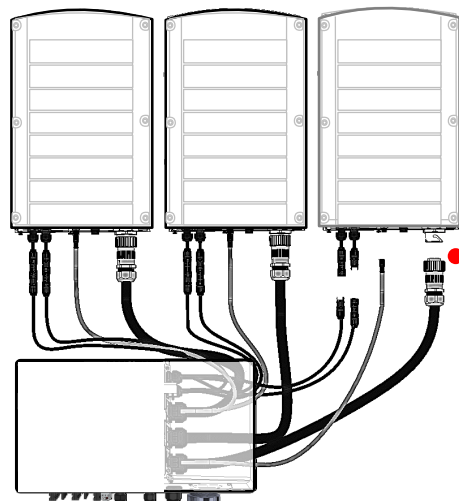
Montaje de las unidades

5

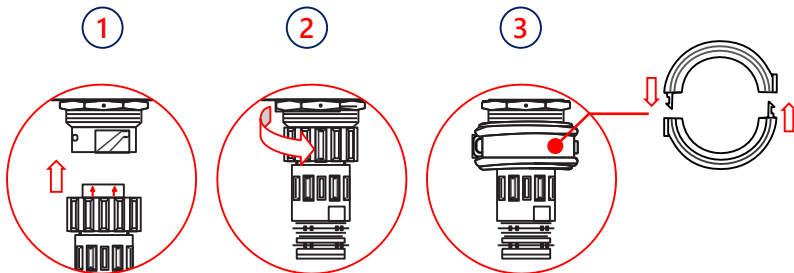


6

Conexión del cableado de interconexión



Conectar los cables según las etiquetas

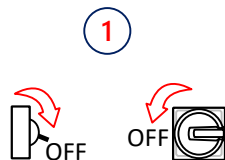


⚠ ¡PRECAUCIÓN! No bloquear el flujo de aire



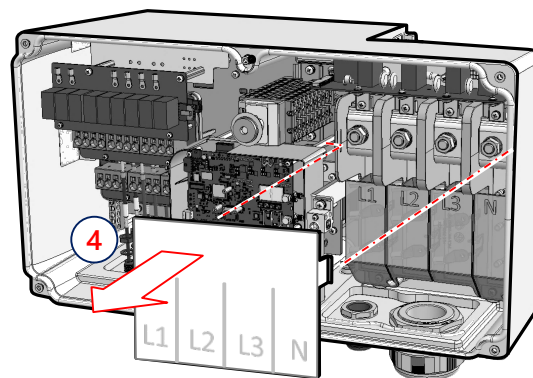
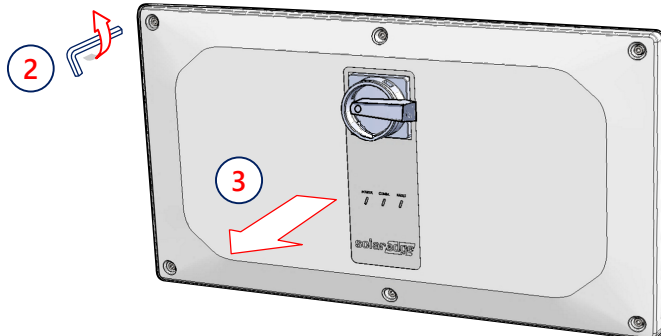
Retirar las tapas

7



ADVERTENCIA

DESCONECTAR LA ALIMENTACIÓN ANTES DE COMENZAR LA INSTALACIÓN



8

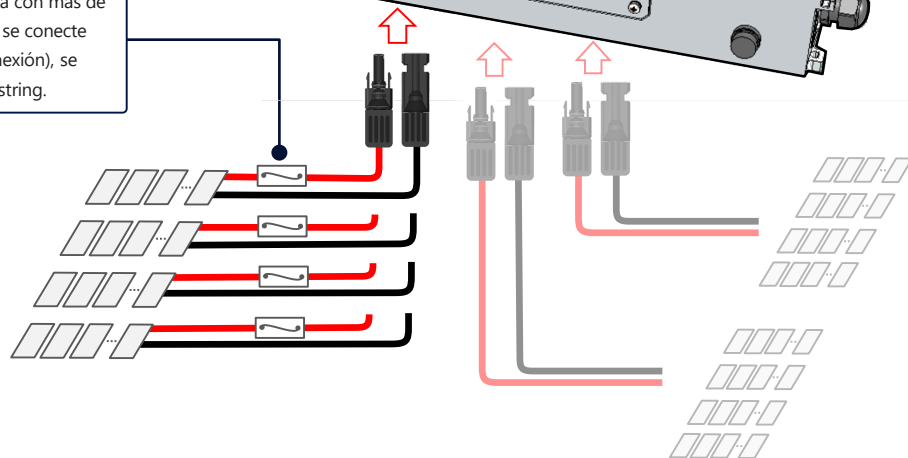
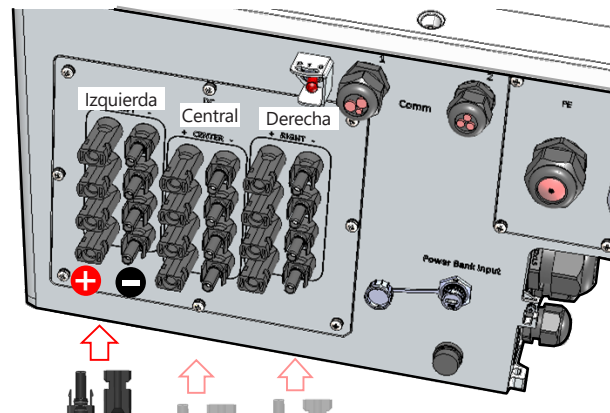
Conexión de strings FV

Unidades Synergy
Izquierda Central Derecha



Mantener tapados los conectores no utilizados

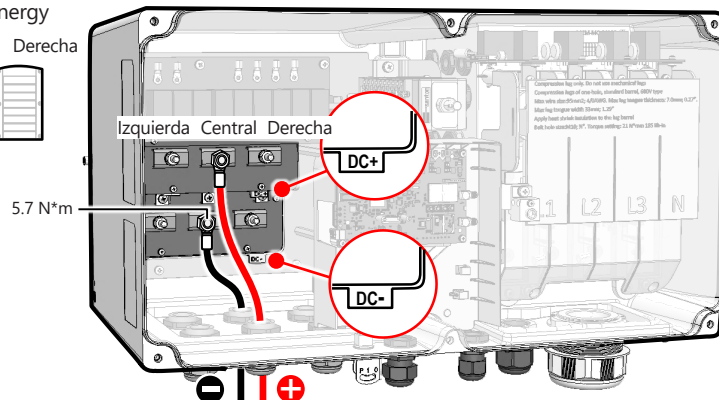
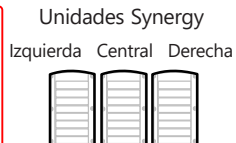
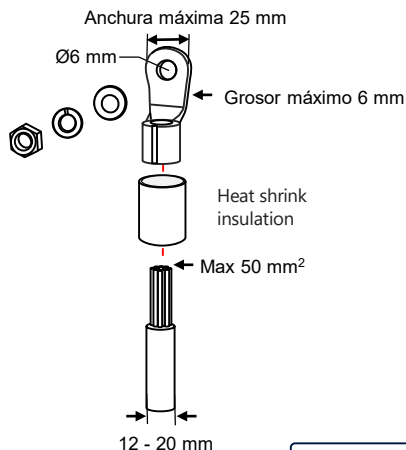
Importante: Cuando se instala un sistema con más de 3 strings por Unidad Synergy (ya sea que se conecte directamente o mediante una caja de conexión), se deben instalar fusibles de 25A para cada string.



Conexión de strings fotovoltaicos a una entrada de CC única

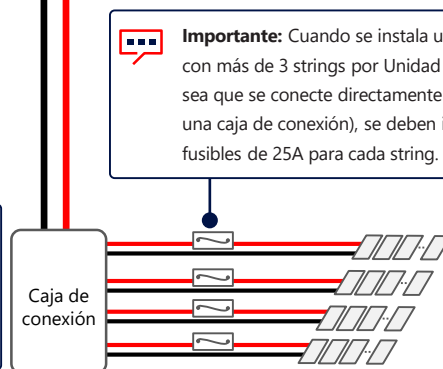
⚠ ¡PRECAUCIÓN!

- Para cables de aluminio utilizar SOLO terminales bimetálicos
- Para cables de cobre utilizar SOLO terminales estañados de cobre



Importante: Cuando se instala un sistema con más de 3 strings por Unidad Synergy (ya sea que se conecte directamente o mediante una caja de conexión), se deben instalar fusibles de 25A para cada string.

La puesta a tierra eléctrica funcional del polo positivo o negativo del lado de CC está prohibida porque el inversor no tiene transformador. La conexión a tierra (toma de tierra) de los marcos de los módulos y de la estructura de soporte de los módulos del campo fotovoltaico es posible

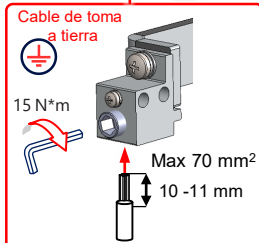
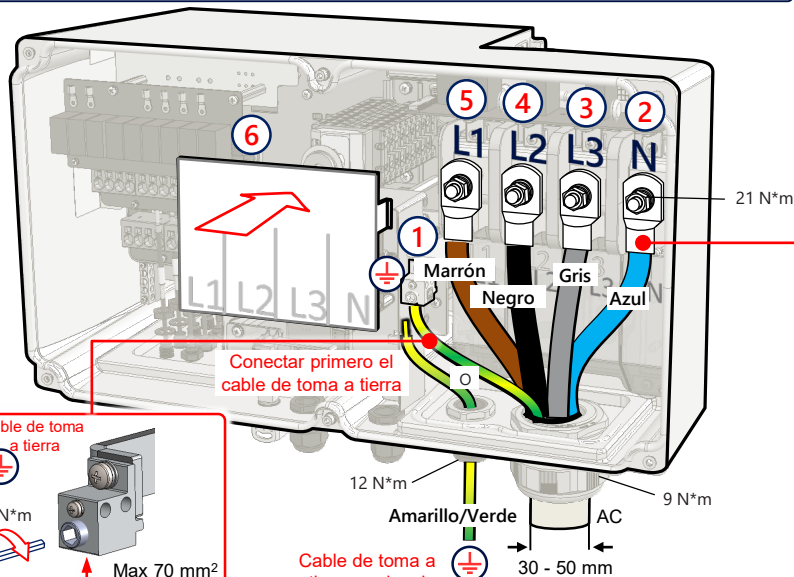


9

Conexión de CA y toma a tierra (PE)

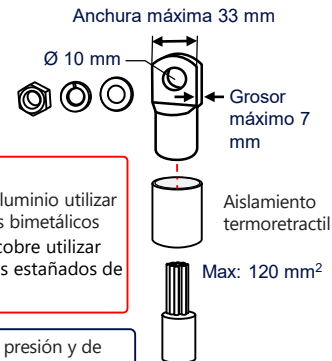
El inversor admite una conexión de 4 cables + tierra o de 3 cables + tierra

La protección contra sobrintensidades para la salida de CA debe conseguirse de fabricantes terceros, consultar el manual para indicaciones al respecto



Cable de toma a tierra opcional

Si se usa un cable trenzado, es posible emplear una ferrita a discreción del instalador

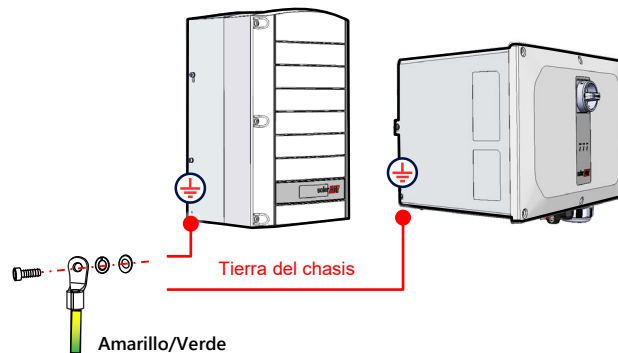


¡PRECAUCIÓN!

Para cables de aluminio utilizar SOLO terminales bimetálicos

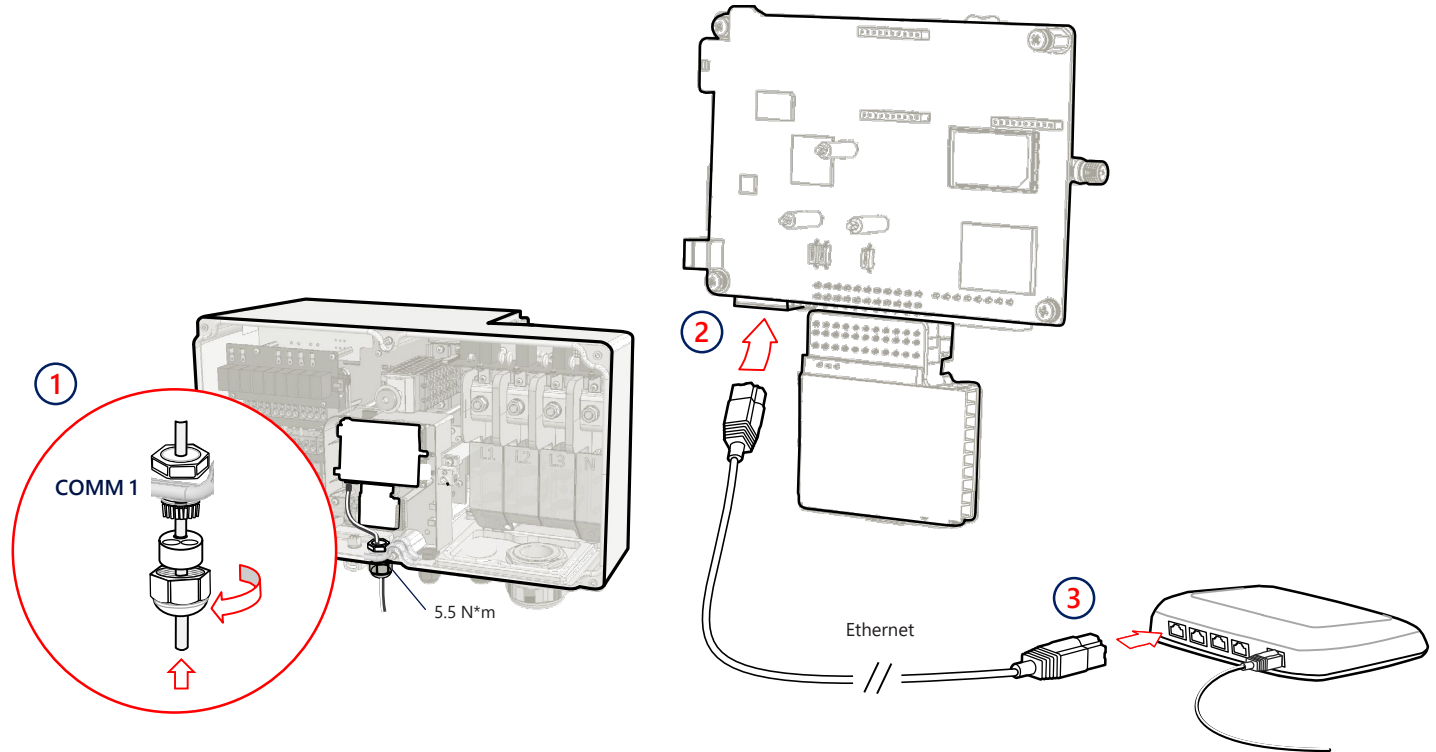
- Para cables de cobre utilizar SOLO terminales estañados de cobre

Solo terminales de presión y de un orificio, aptos para hasta 600V



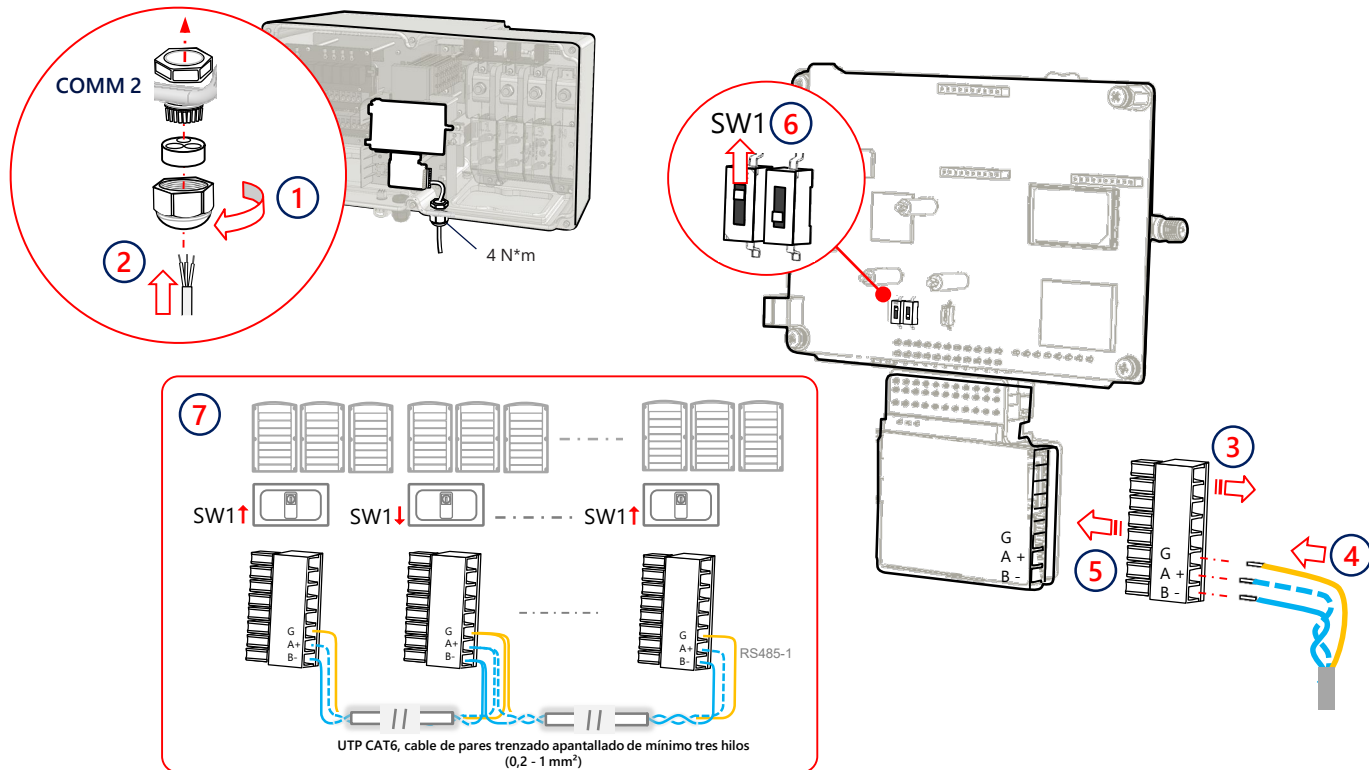
Comunicación LAN

10



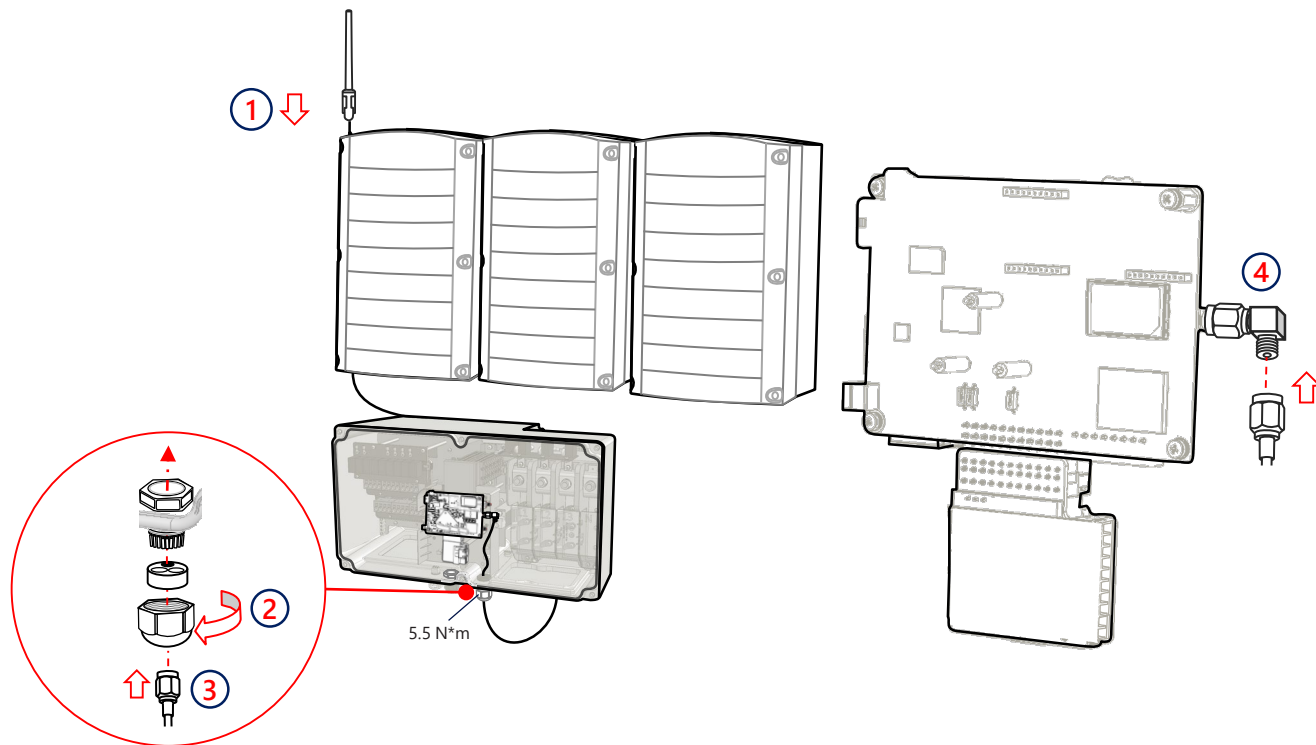
11

Conexión RS485 entre múltiples inversores



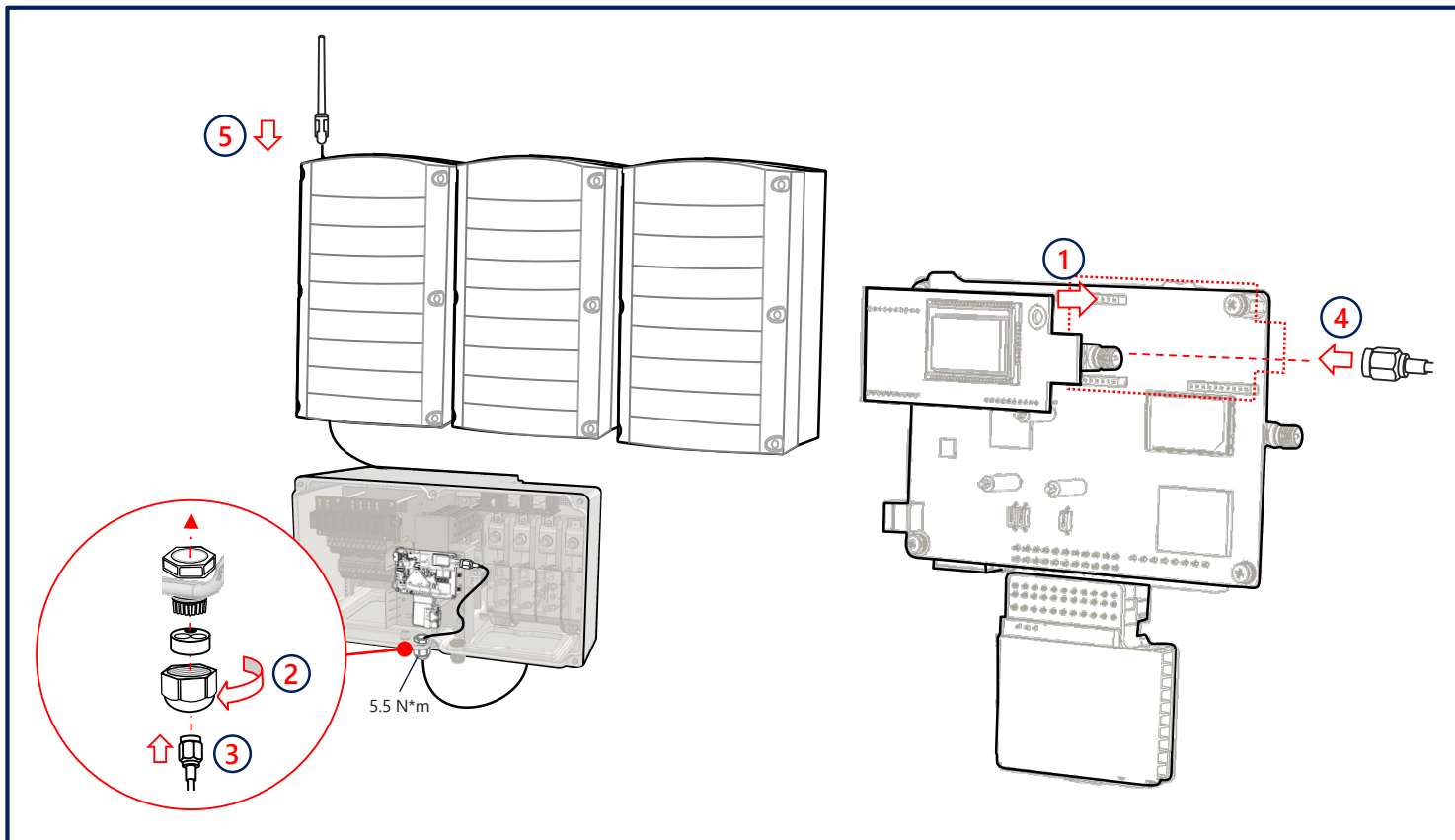
Conexión para la comunicación Wi-Fi (opcional)

12



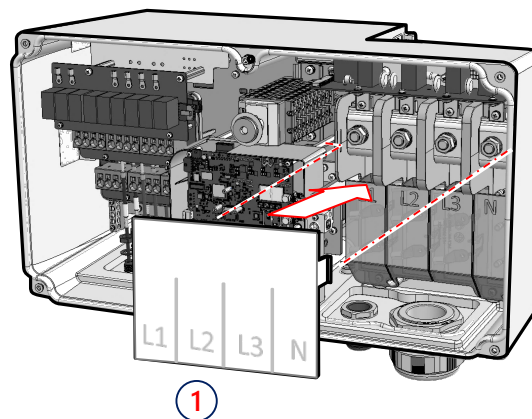
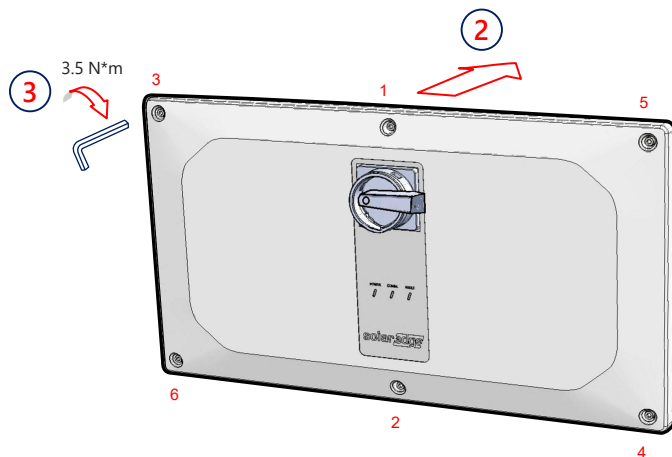
13

Conexión para la comunicación móvil (opcional)



Instalación de las tapas

14



15

Puesta en marcha previa sin alimentación CA (opción 1)

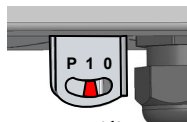
1

Descargar
SolarEdge SetApp



2

Poner en ON (1) los
interruptores

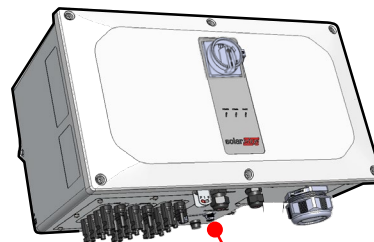


ON (1)



3

Conectar la Power Bank



Requisitos mínimos
Power Bank: puerto
de salida de 60W,
USB-C Power Delivery
(PD): 20V 3A
(no provisto)

Tapa del conector
cuando no se esté
usando

1 metro, macho a macho, USB-C (no provisto)

4

Iniciar y seguir las
instrucciones en SetApp



Puesta en marcha con alimentación CC y CA (opción 2)

16

1

Descargar
SolarEdge SetApp



2

Encender la
alimentación

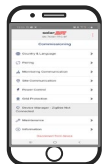


3

Iniciar y seguir las
instrucciones en SetApp



Puesta en marcha del inversor líder



RS485-1 → Protocolo → SolarEdge → Líder SolarEdge
 RS485-1 → Detección de Seguidores

Planta		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Inversor		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Unidades de inversor		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 Of 47	P_OK 47 Of 47	P_OK 47 Of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

POTENCIA COMUNICACIÓN ERROR

Verde

Azul

Rojo



El sistema está produciendo energía



La CA está conectada pero el sistema no está generando energía



El inversor está comunicando con el portal de monitorización



Error del sistema



Información de Contacto de Asistencia Técnica

En caso de algún problema con los productos SolarEdge por favor contacte con nuestra asistencia técnica:

<https://www.solaredge.com/es/service/support>

Sujeto a cambios sin previo aviso.

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Falownik trójfazowy z technologią synergii

Skrócona instrukcja instalacji

PN: SExxK-xxxxlxxxx

Europa, APAC i RPA
Wersja 1.3

Legenda



UWAGA

Ten symbol oznacza informacje pomocne dla użytkownika w celu optymalnego wykorzystywania produktu.



PRZESTROGA!

Oznacza niebezpieczeństwo. Sygmalizuje, że jeśli dana procedura nie zostanie prawidłowo wykonana lub uwzględniona, może dojść do uszkodzenia lub zniszczenia produktu. Nie należy pomijać przestrogi dopóki wskazane warunki nie zostaną w pełni zrozumiane i spełnione.



OSTRZEŻENIE!

Oznacza niebezpieczeństwo. Sygmalizuje, że jeśli dana procedura nie zostanie prawidłowo wykonana lub uwzględniona, może dojść do urazu ciała lub śmierci. Nie należy pomijać ostrzeżeń dopóki wskazane warunki nie zostaną w pełni zrozumiane i spełnione.



Nie przecinać złączy kablowych



Ten symbol pojawia się w punktach uziemienia wskazanych w instrukcjach oraz na sprzęcie SolarEdge.



WŁĄCZ/WYŁĄCZ przełącznik ON/OFF/P i odczekaj 5 minut



WŁĄCZ/WYŁĄCZ wyłącznik awaryjny DC w Menadżerze Synergii i odczekaj 5 minut (Dotyczy wyłącznie modeli z wyłącznikiem awaryjnym DC)

NALEŻY ZACHOWAĆ TE INSTRUKCJE – Niniejsza instrukcja zawiera ważne wytyczne dotyczące falownika trójfazowego, których należy przestrzegać podczas instalacji i konserwacji.

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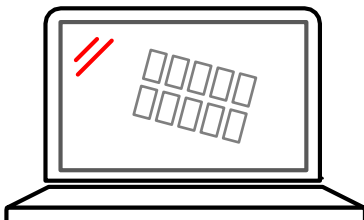
Instalowanie optymalizatorów mocy

1

1 → 2 → 3 → 4 → 5 → 6

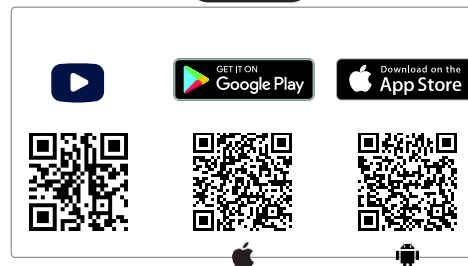
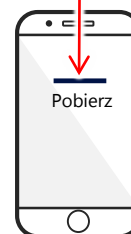
1

Użyj narzędzia SolarEdge
Designer
do zaprojektowania instalacji
<https://designer.solaredge.com>



2

Pobierz SolarEdge Mapper, aby
wykonać mapowanie
optymalizatorów mocy w
łańcuchu



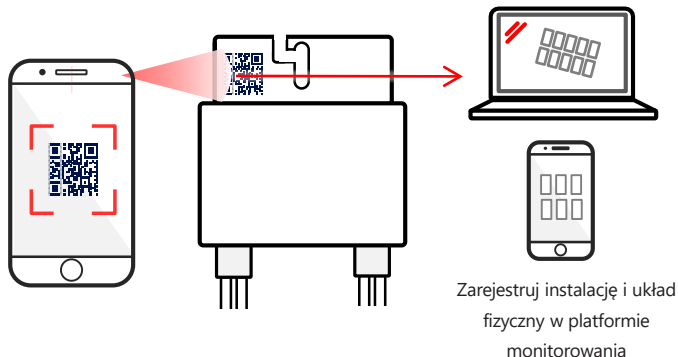
1

Instalowanie optymalizatorów mocy

1 → 2 → 3 → 4 → 5 → 6

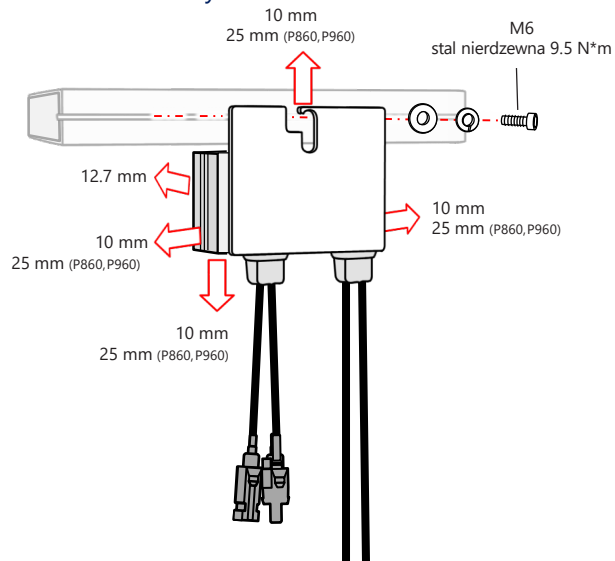
3

Zeskanuj kod QR za pomocą
narzędzia Mapper



4

Zainstaluj optymalizator
mocy



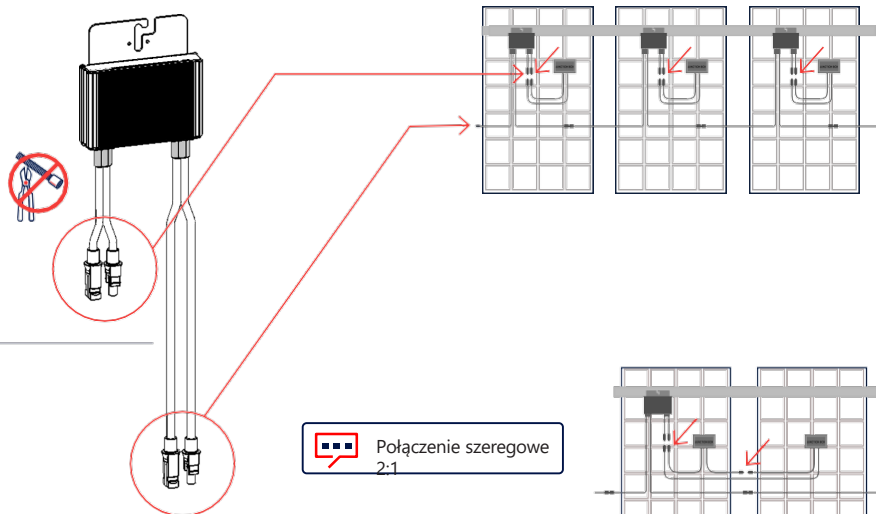
Instalowanie optymalizatorów mocy

1

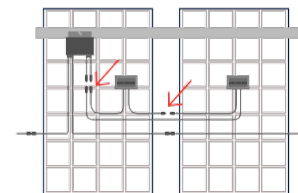
1 → 2 → 3 → 4 → 5 → 6

5 Podłącz wejście Modułu

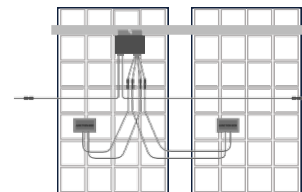
6 Podłącz wyjście z łańcuchem



Połączenie szeregowe 2:1

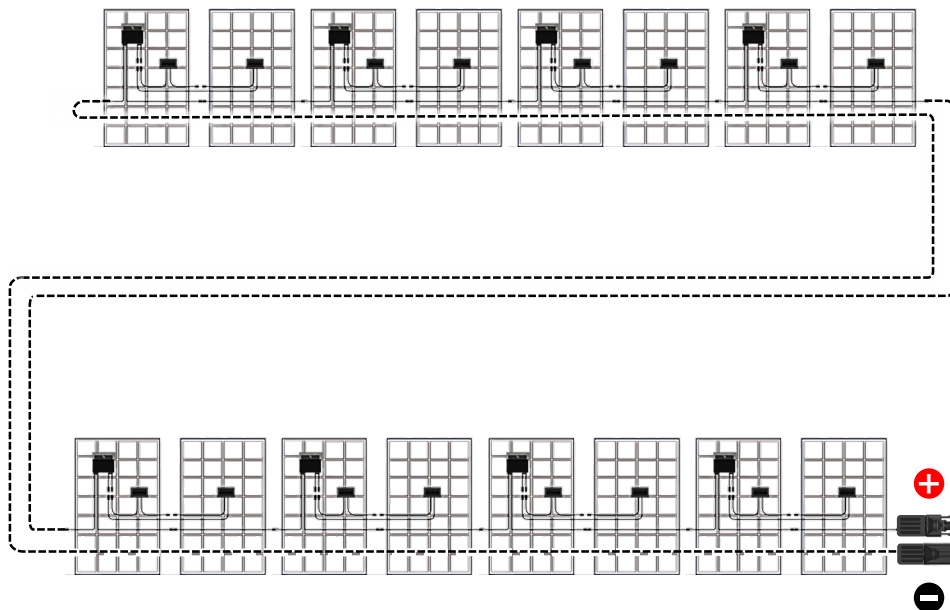


Użyj optymalizatora z dwoma wejściami (P800p) do równoległego połączenia dwóch PV lub użyj kabla rozgałęzionego, aby podłączyć dwa PV do jednego optymalizatora wejściowego



2

Podłączanie modułów fotowoltaicznych



Sprawdź polaryzację łańcucha.

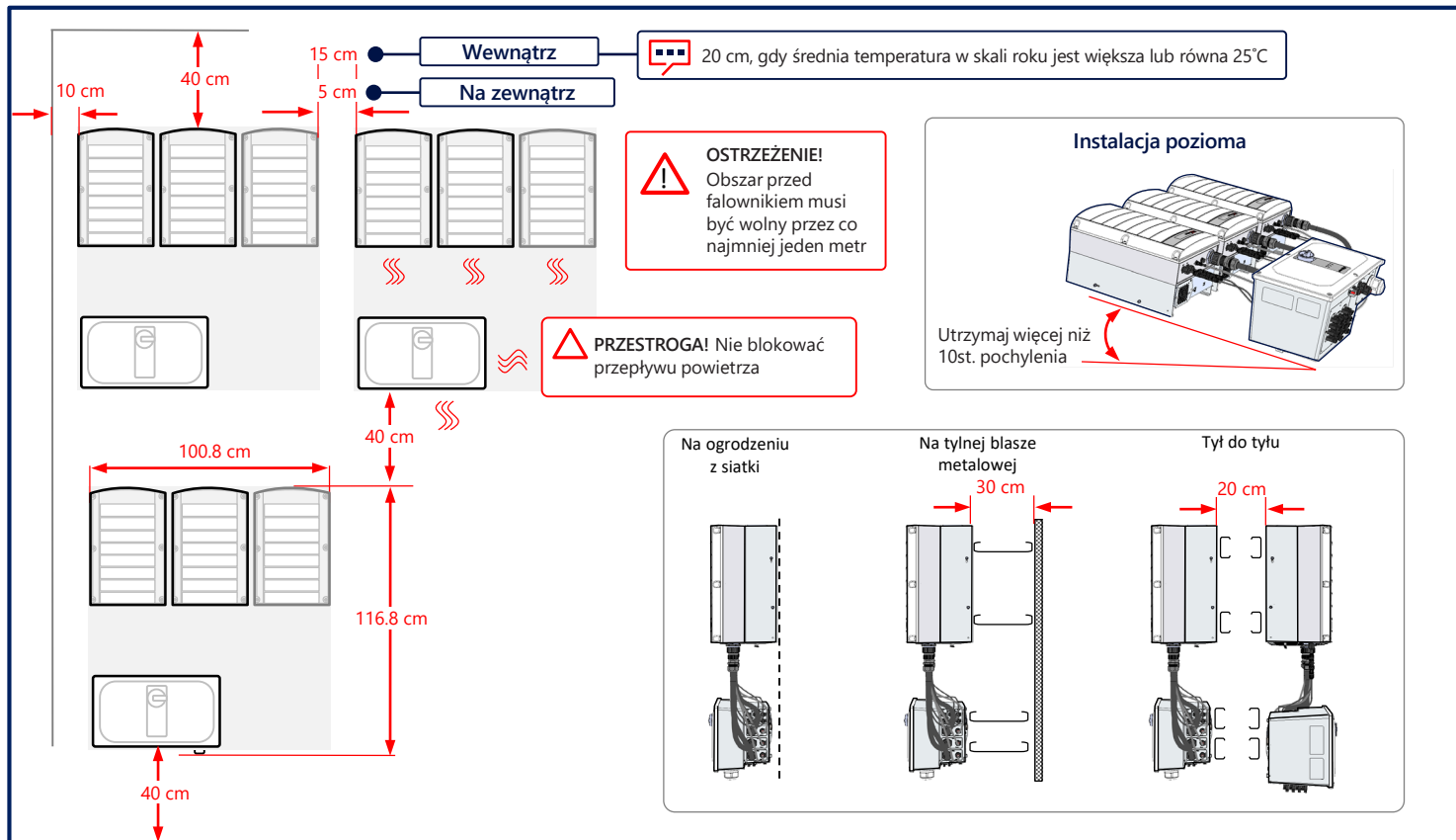
Upewnij się, że wartość wynosi $1 \pm 0,1$ V na optymalizator.

Przykład: 8 optymalizatory = ~ 8 V



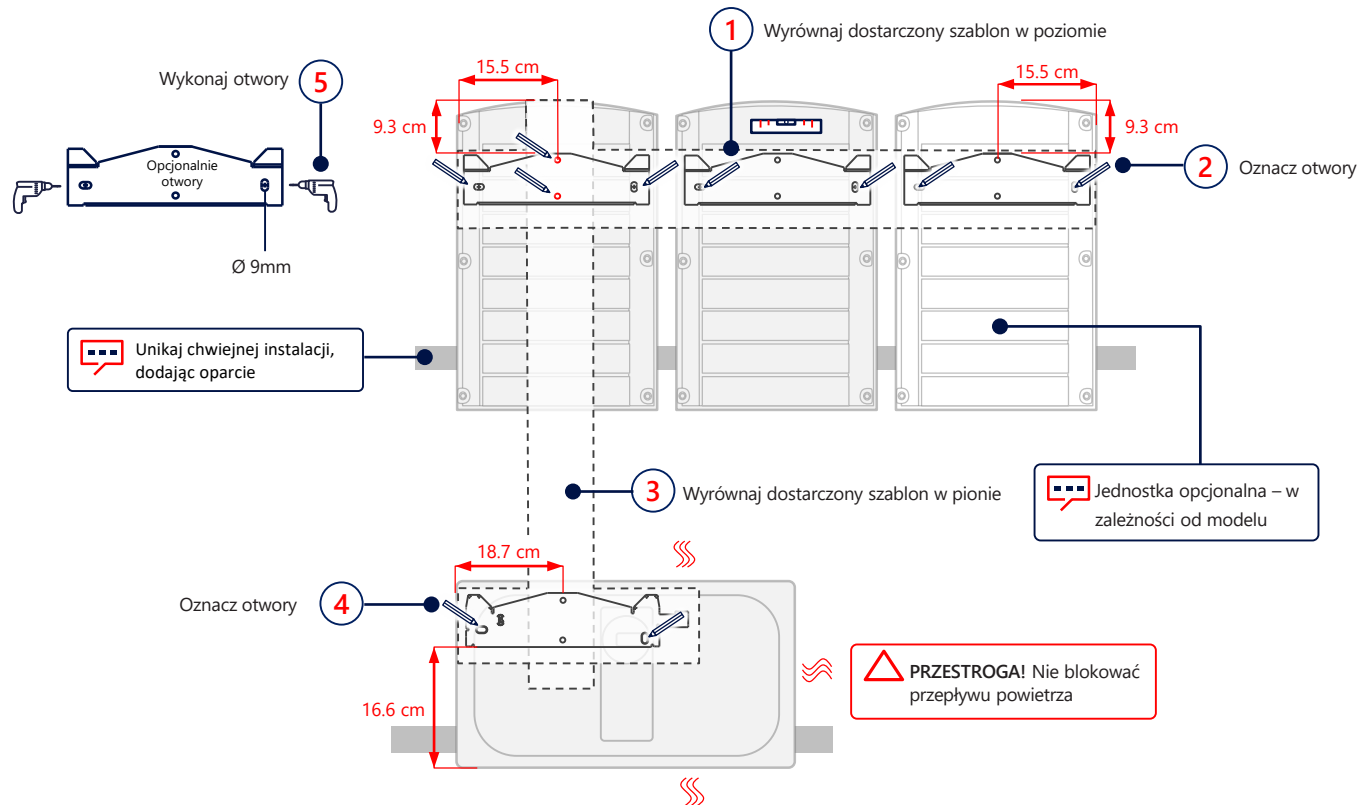
Odstępy montażowe

3



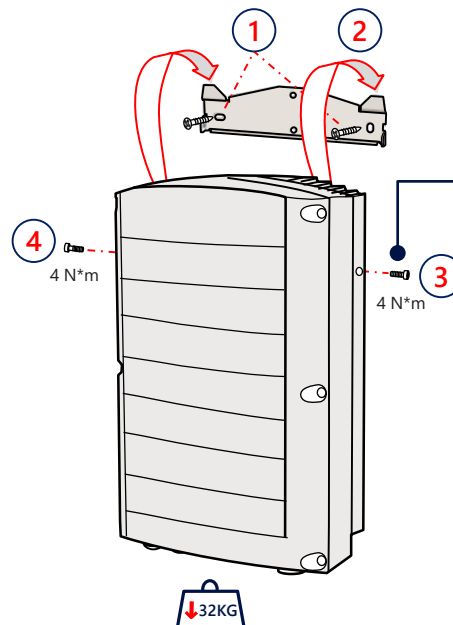
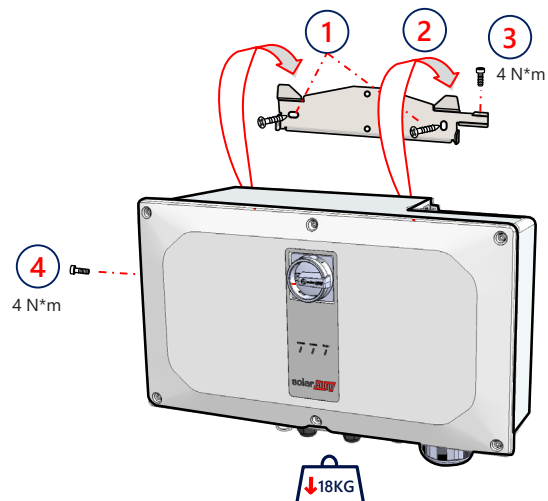
4

Oznakowanie i wykonywanie otworów



Montaż jednostek

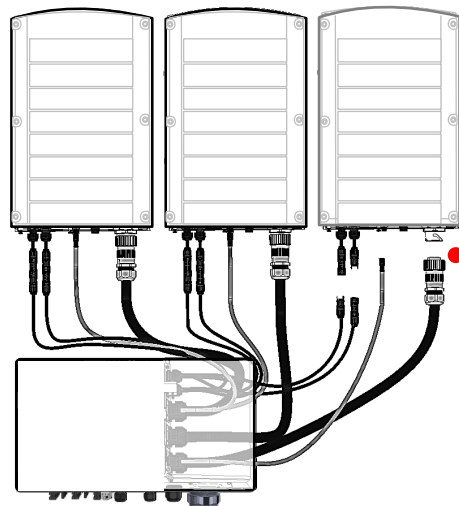
5



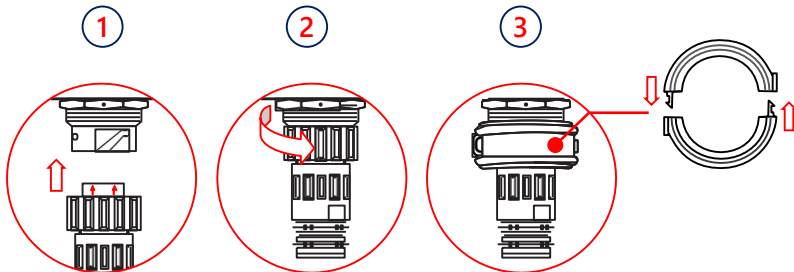
W przypadku jednostek lewych lub prawych należy używać tylko zewnętrznej śruby

6

Okablowanie



Podłącz kable zgodnie z oznaczeniami

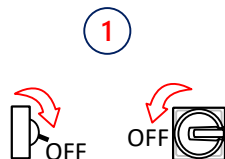


PRZESTROGA! Nie blokować przepływu powietrza



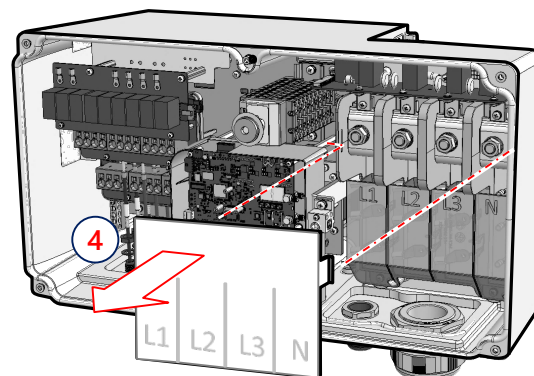
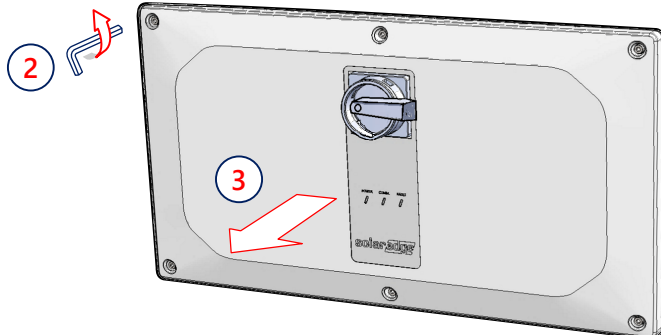
Zdejmowanie pokrywy

7



OSTRZEŻENIE

PRZED PRZYSTĄPIENIEM DO INSTALACJI NALEŻY ODŁĄCZYĆ ZASILANIE



8

Podłączanie łańcuchów fotowoltaicznych

Jednostki Synergii

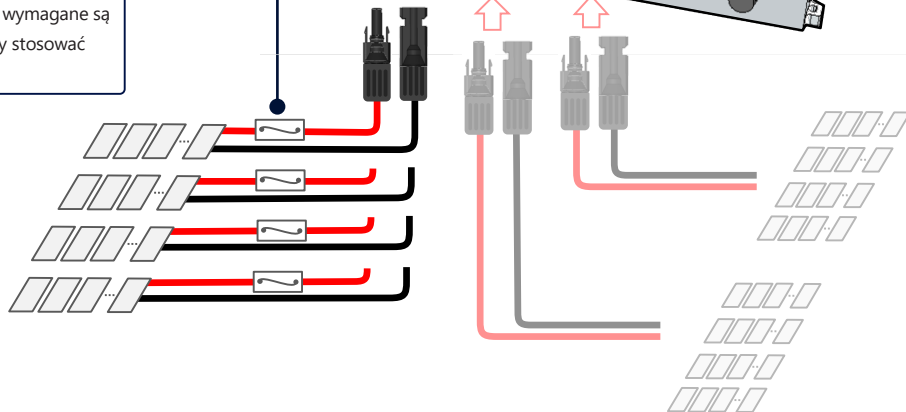
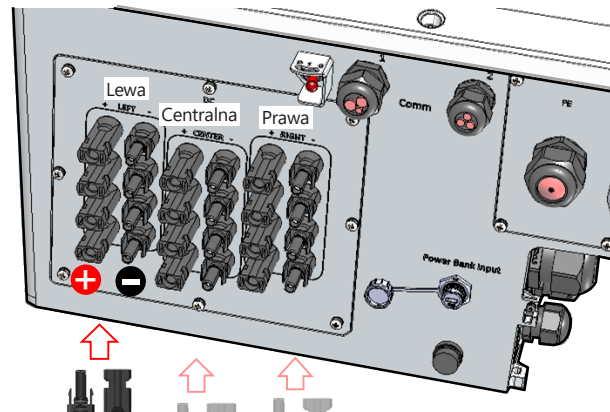
Lewa Centralna Prawa



Nieużywane złącza należy zakryć



Ważne: W przypadku instalacji systemu z więcej niż 3 łańcuchami na jedną jednostkę Synergii (podłączoną bezpośrednio lub przez skrzynkę łączącą) wymagane są bezpieczniki. W systemie SolarEdge należy stosować bezpieczniki 25A.

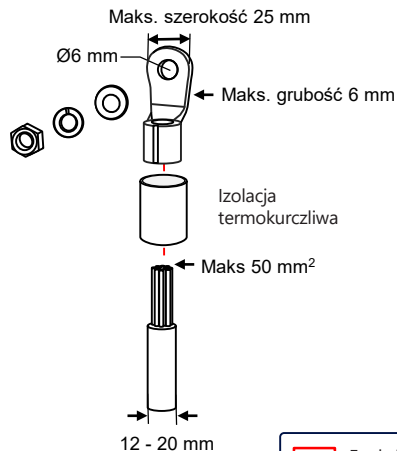


Podłączanie łańcuchów PV przez pojedyncze wejście DC



PRZESTROGA!

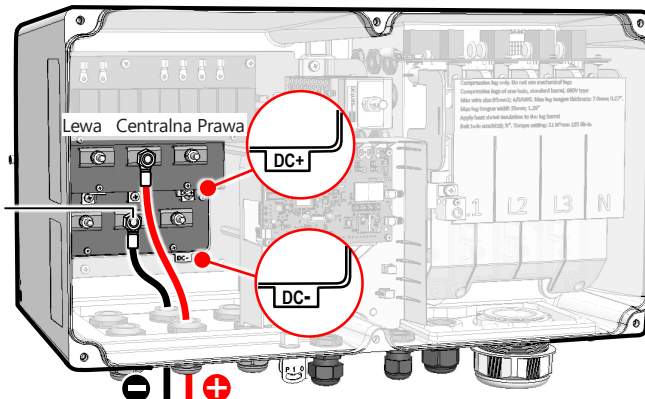
- W przypadku przewodów aluminiowych UŻYWAĆ WYŁĄCZNIE końcówek bimetalowych
- W przypadku przewodów miedzianych UŻYWAĆ WYŁĄCZNIE końcówek miedzianych cynowanych



Jednostki Synergii
Lewa Centralna Prawa



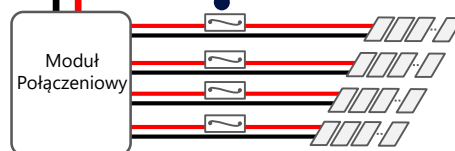
5.7 N*m



Ważne: W przypadku instalacji systemu z więcej niż 3 łańcuchami na jedną jednostkę Synergii (podłączoną bezpośrednio lub przez skrzynkę łączącą) wymagane są bezpieczniki. W systemie SolarEdge należy stosować bezpieczniki 25A.



Funkcjonalne uziemienie elektryczne bieguna ujemnego lub dodatniego po stronie DC jest zabronione, ponieważ falownik nie ma transformatora. Uziemienie (uziemienie) ram modułów i wyposażenia montażowego modułów panelu fotowoltaicznego jest dopuszczalne

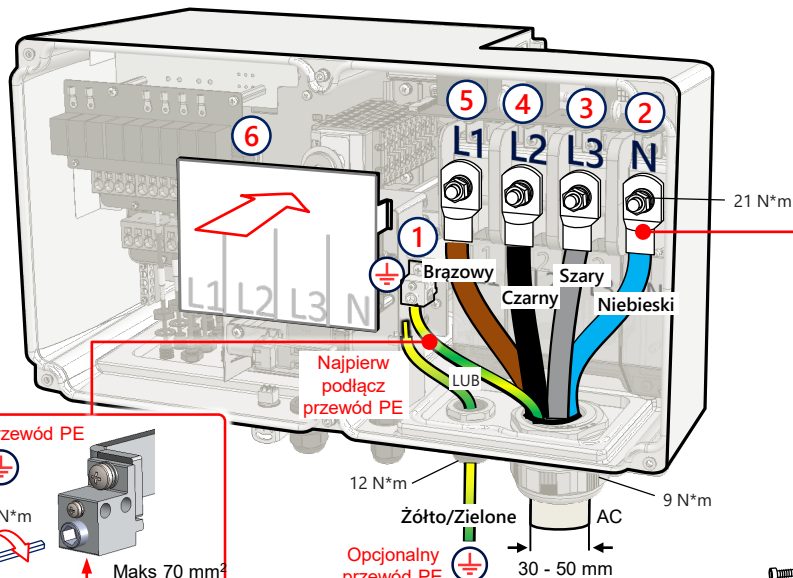


9

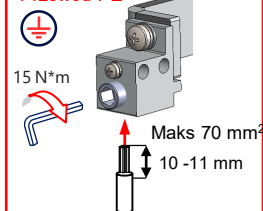
Podłączenie AC i uziemienie ochronne (PE)

Falownik może obsługiwać połączenie 4 przewodowe + PE lub 3 przewodowe + PE

Ochrona wyjścia AC przed prądem przetężeniowym musi zostać zapewniona przez inne podmioty, zob. wytyczne w instrukcji



Przewód PE

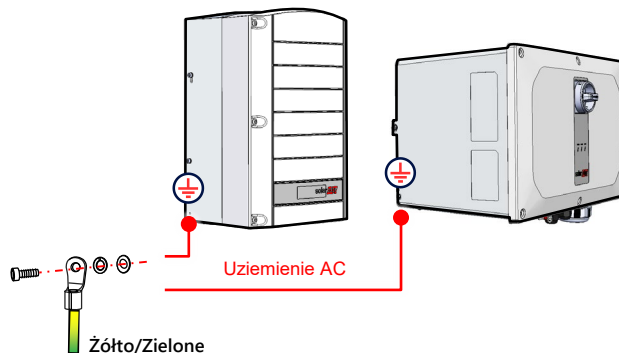
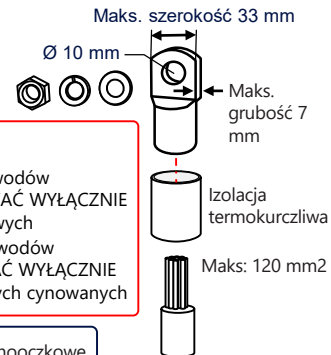


W przypadku korzystania z przewodu linkowego użycie tulei według uznania instalatora

⚠ PRZESTROGA!

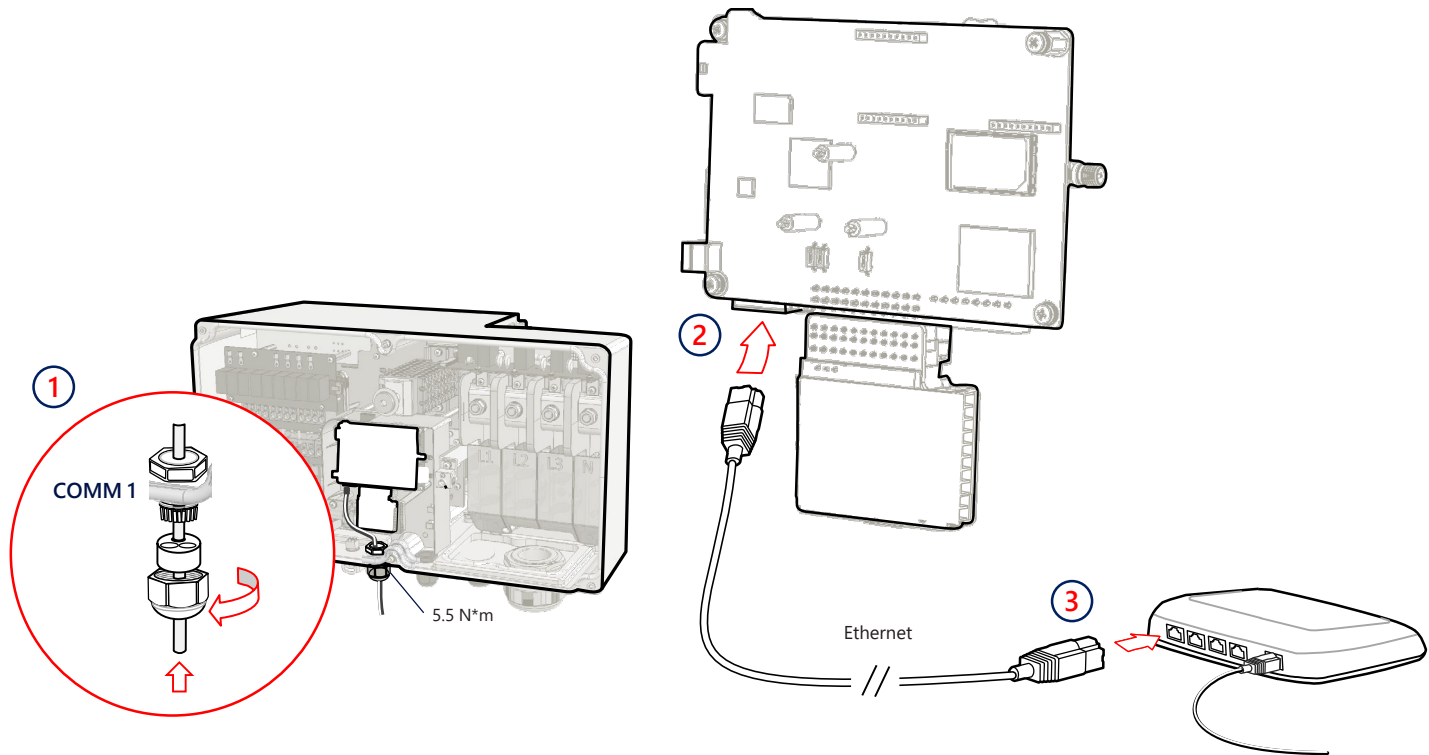
- W przypadku przewodów aluminiowych UŻYWAĆ WYŁĄCZNIE końcówek bimetalowych
- W przypadku przewodów miedzianych UŻYWAĆ WYŁĄCZNIE końcówek miedzianych cynowanych

Tylko końcówki jednooczkowe, tuleja standardowa, 600 V

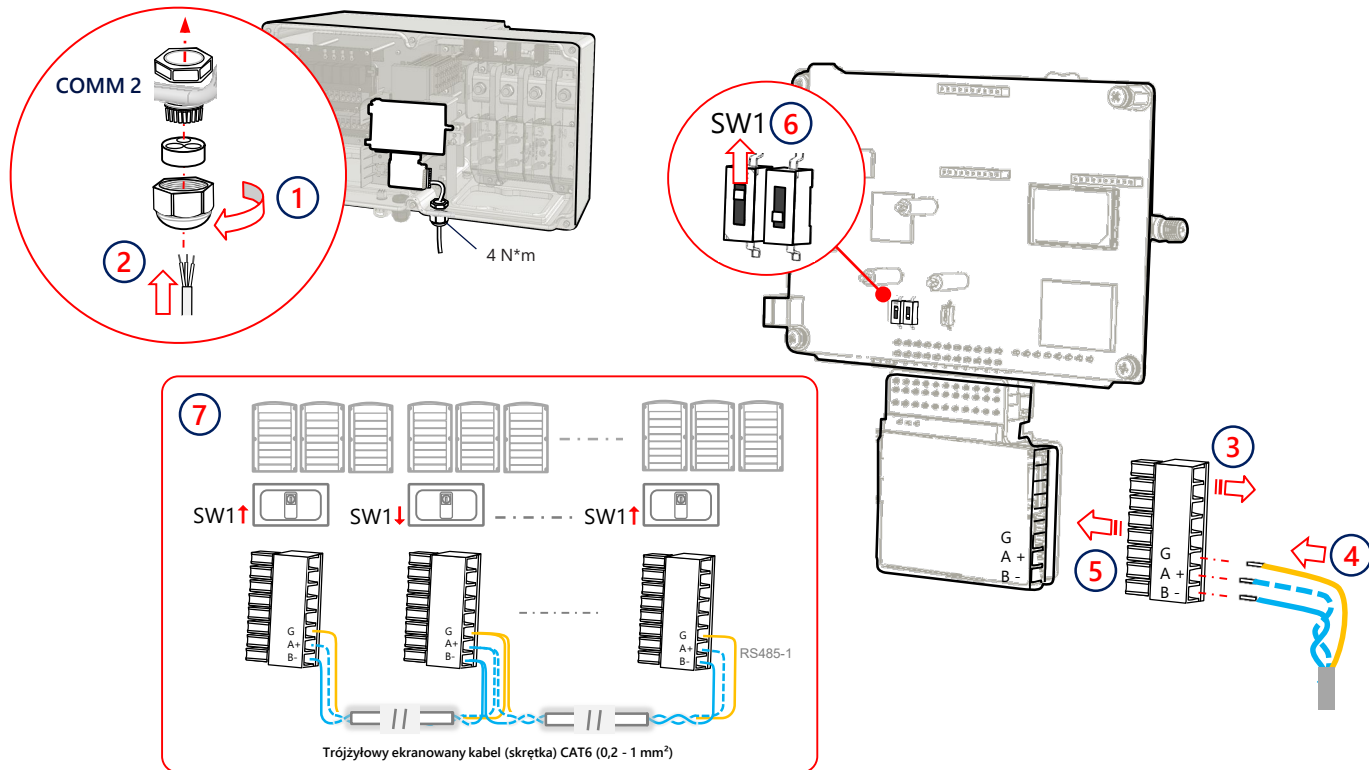


Komunikacja LAN

10

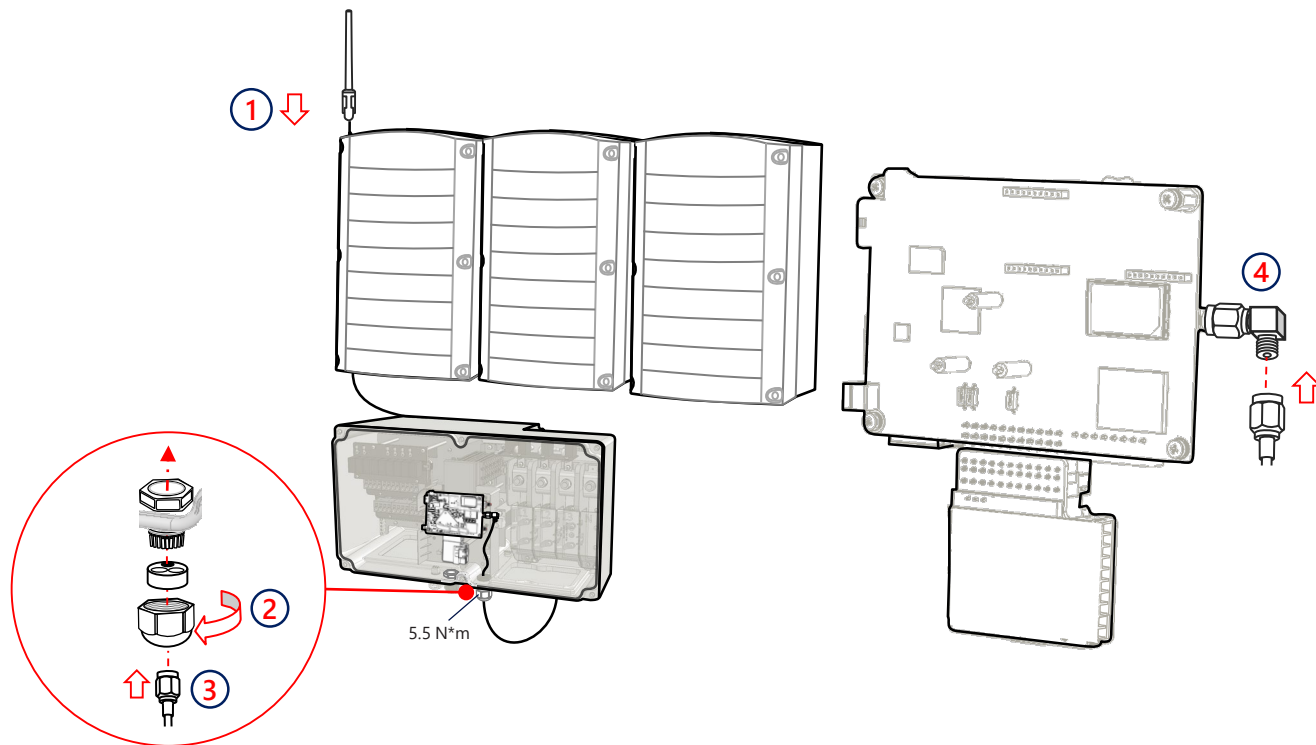


RS485 Podłączenie kilku falowników



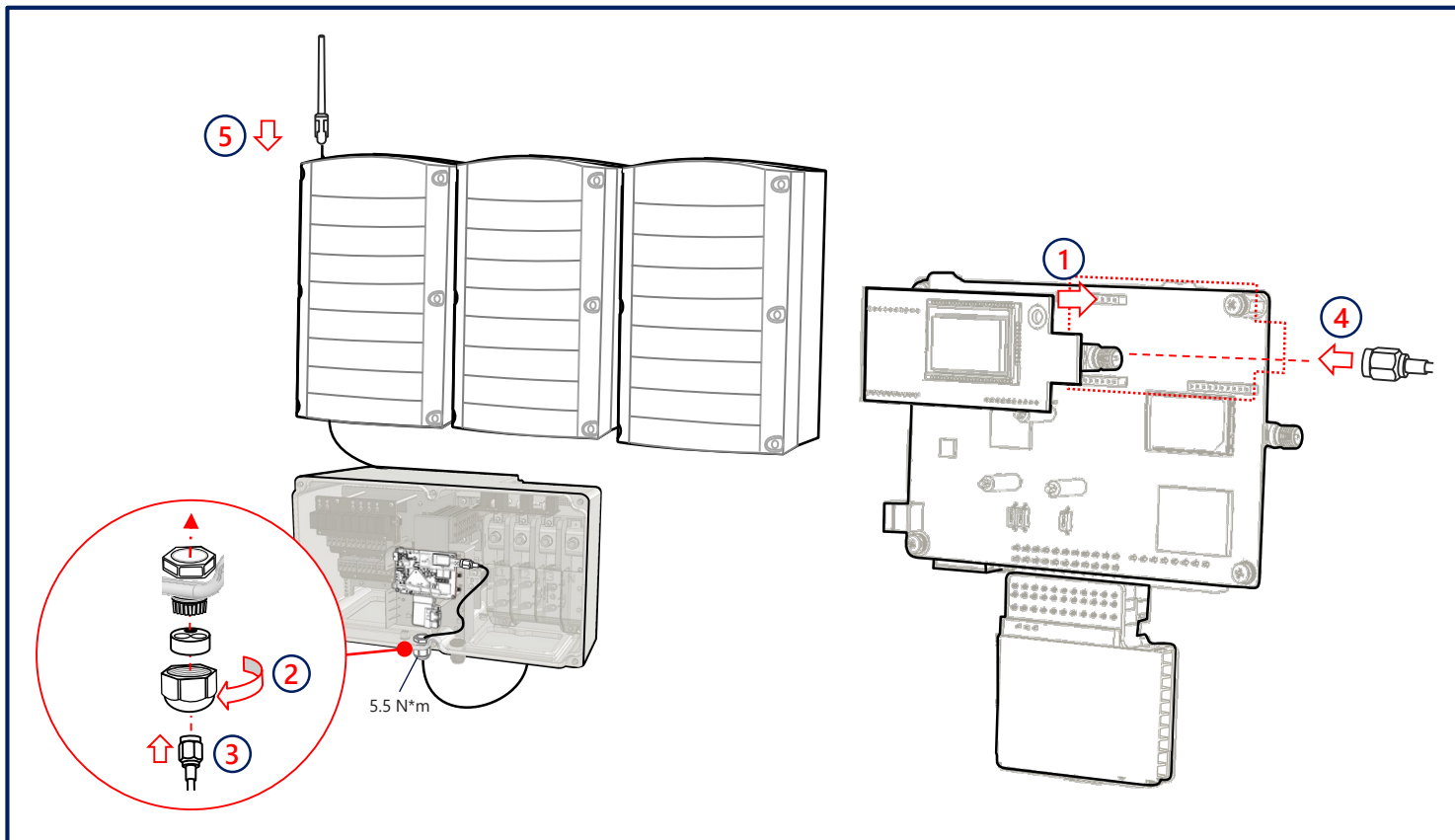
Komunikacja Wi-Fi (opcjonalnie)

12



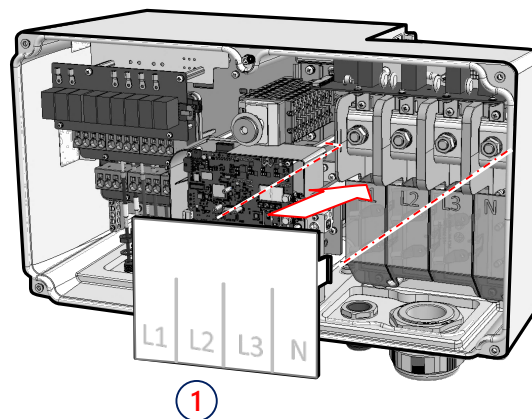
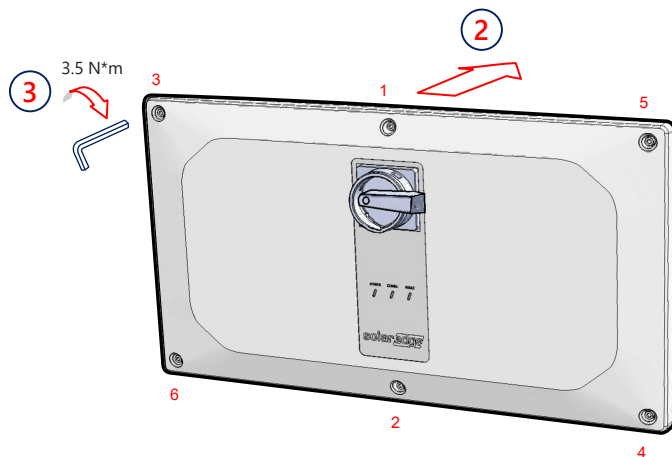
13

Komunikacja komórkowa (opcjonalnie)



Zakładanie pokrywy

14



Wstępne przekazanie instalacji do eksploatacji przy braku zasilania AC (opcja 1)

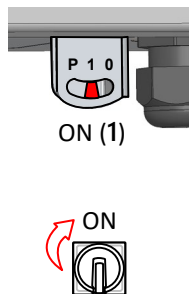
1

Pobierz aplikację SolarEdge
SetApp



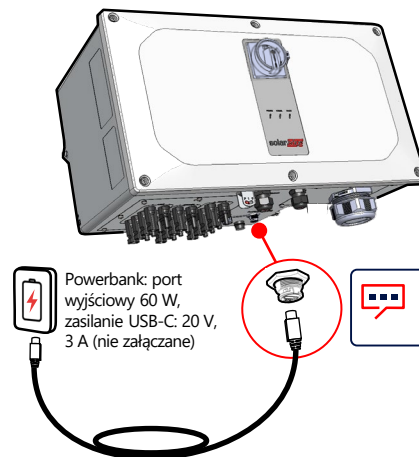
2

Włącz przełącznik DC



3

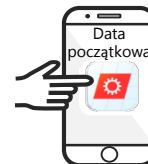
Podłącz Powerbank



1 m, złącze męsko-męskie, USB-C (nie załączane)

4

Uruchom SetApp



Zabezpiecz wejście USB-C
gdy nie jest używane

Przekazanie do eksploatacji przy podłączonym zasilaniu DC i AC (opcja 2)

16

1

Pobierz aplikację SolarEdge
SetApp



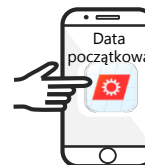
2

Włącz zasilanie

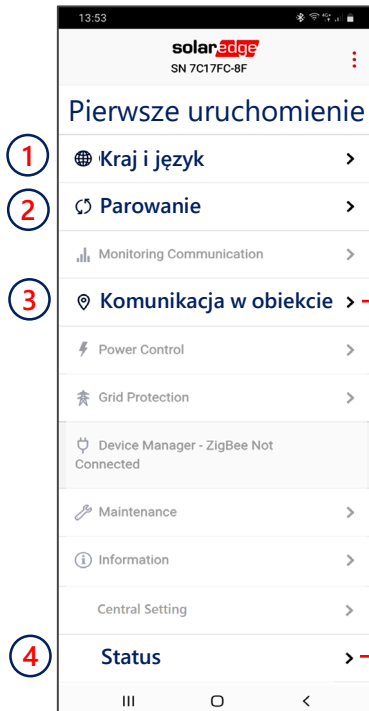
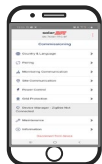


3

Uruchom aplikację SetApp
i postępuj zgodnie ze
wskazówkami



Przekazanie falownika nadrzędnego do eksploatacji



RS485-1 → Protokół → SolarEdge → Urządzenie nadrzędne SolarEdge

RS485-1 → Wykrycie urządzenia podrzędnego

Instalacja		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Falownik SN 07318000C		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Moduły falownika		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 of 47	P_OK 47 of 47	P_OK 47 of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

ZASILANIE KOMUNIKACJA BŁĄD

Zielony Niebieski Czerwony

  	System wytwarza energię
  	Sieć AC jest podłączona, ale system nie wytwarza energii
  	Falownik komunikuje się z Platformą Monitoringu
  	Błąd systemu



Kontakt z działem wsparcia:

Jeśli masz problem techniczny z produktami SolarEdge, skontaktuj się z nami poprzez:

<https://www.solaredge.com/service/support>

Zastrzega się możliwość zmian bez uprzedzenia.

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3-fas växelriktare med synergiteknik

Snabbinstallationsguide

PN: SExxK-xxxxlxxxx

För Europa, APAC
och Sydafrika
Version 1.3

Teckenförklaring



OBS!

Denna symbol anger information avsedd till att hjälpa användaren att utnyttja produkten på optimalt vis.



Denna symbol visas vid jordningspunkter i SolarEdge-handboken och på utrustningen.



OBSERVERA!

Anger en fara. Den uppmärksammar ett förfarande som, om det inte utförs korrekt eller följs, skulle kunna leda till skada på eller förstörelse av produkten. Fortsätt inte efter en observationsanvisning om de indikerade förhållandena inte förstås och följs helt.



Slå PÅ/AV växelströmbrytaren till huvudkretskortet och vänta 5 minuter



VARNING!

Anger en fara. Den uppmärksammar ett förfarande som, om det inte utförs korrekt eller följs, skulle kunna leda till personskada eller dödsfall. Fortsätt inte efter en varningsanvisning tills de angivna förhållandena förstås och följs till fullo.



Slå PÅ/AV likströmbrytaren på synergihanteraren och vänta 5 minuter (Gäller endast för modeller med likströmbrytare)



Skär inte kabelkontakter

SPARA DESSA ANVISNINGAR – Denna handbok innehåller viktiga anvisningar för 3-fas växelriktaren som ska följas under installation och underhåll. Användande av denna utrustning på ett sätt som uttryckligen inte specificerats i detta document kan åsidosätta skyddsfunktioner i utrusningen

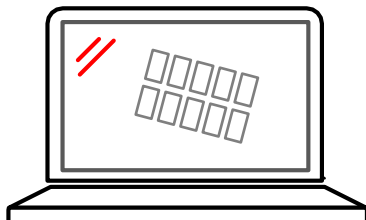
Installation av effektoptimerare

1

1 → 2 → 3 → 4 → 5 → 6

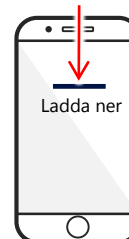
1

Använd SolarEdge Designer
för att designa SolarEdgesystem
<https://designer.solaredge.com>



2

Ladda ner SolarEdge Mapper
för att mappa effektoptimerare

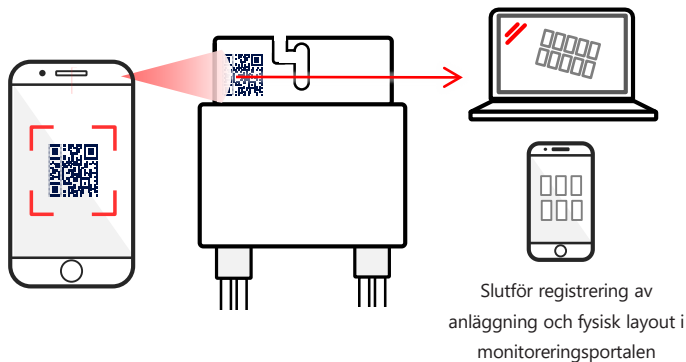


Installation av effektoptimerare

1 → 2 → 3 → 4 → 5 → 6

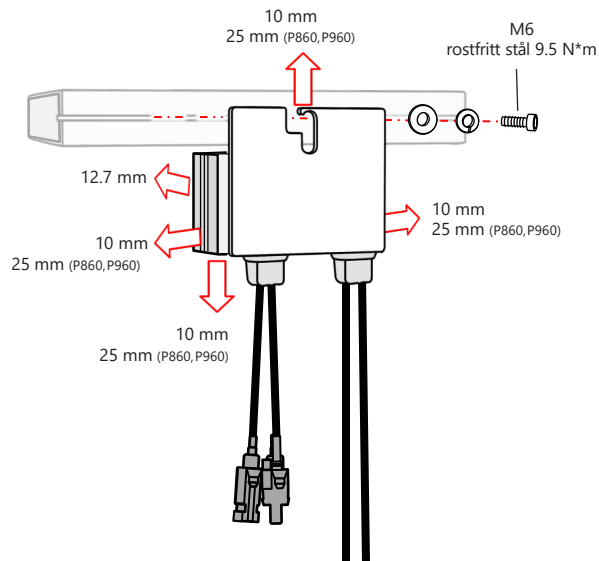
3

Skanna QR-kod med Mapper



4

Installera effektoptimerare

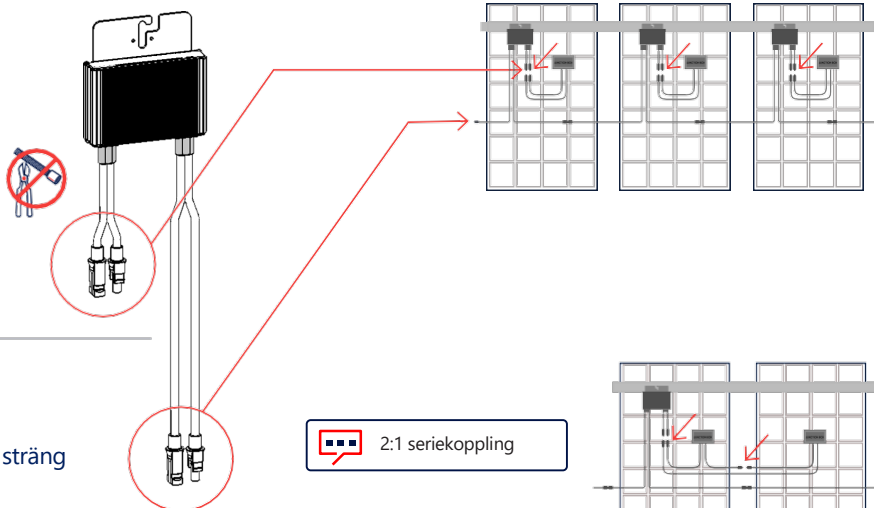


Installation av effektoptimerare

1 → 2 → 3 → 4 → 5 → 6

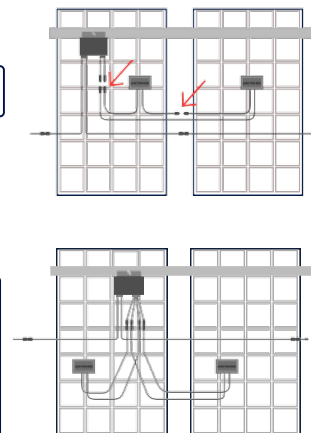
5 Anslut ingång från modul

6 Anslut utgång till sträng



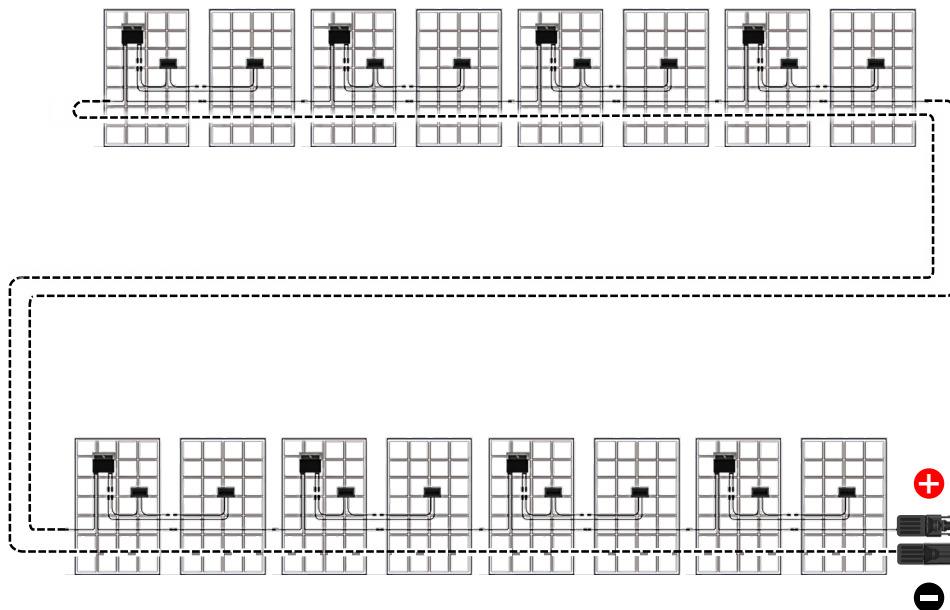
2:1 seriekoppling

Använd en dubbel ingångsoptimerare (P800p) för parallellkoppling av två solceller eller använd en grenkabel för att ansluta två solceller till en enkel ingångsoptimerare.



2

Anslutning av solcellssystem

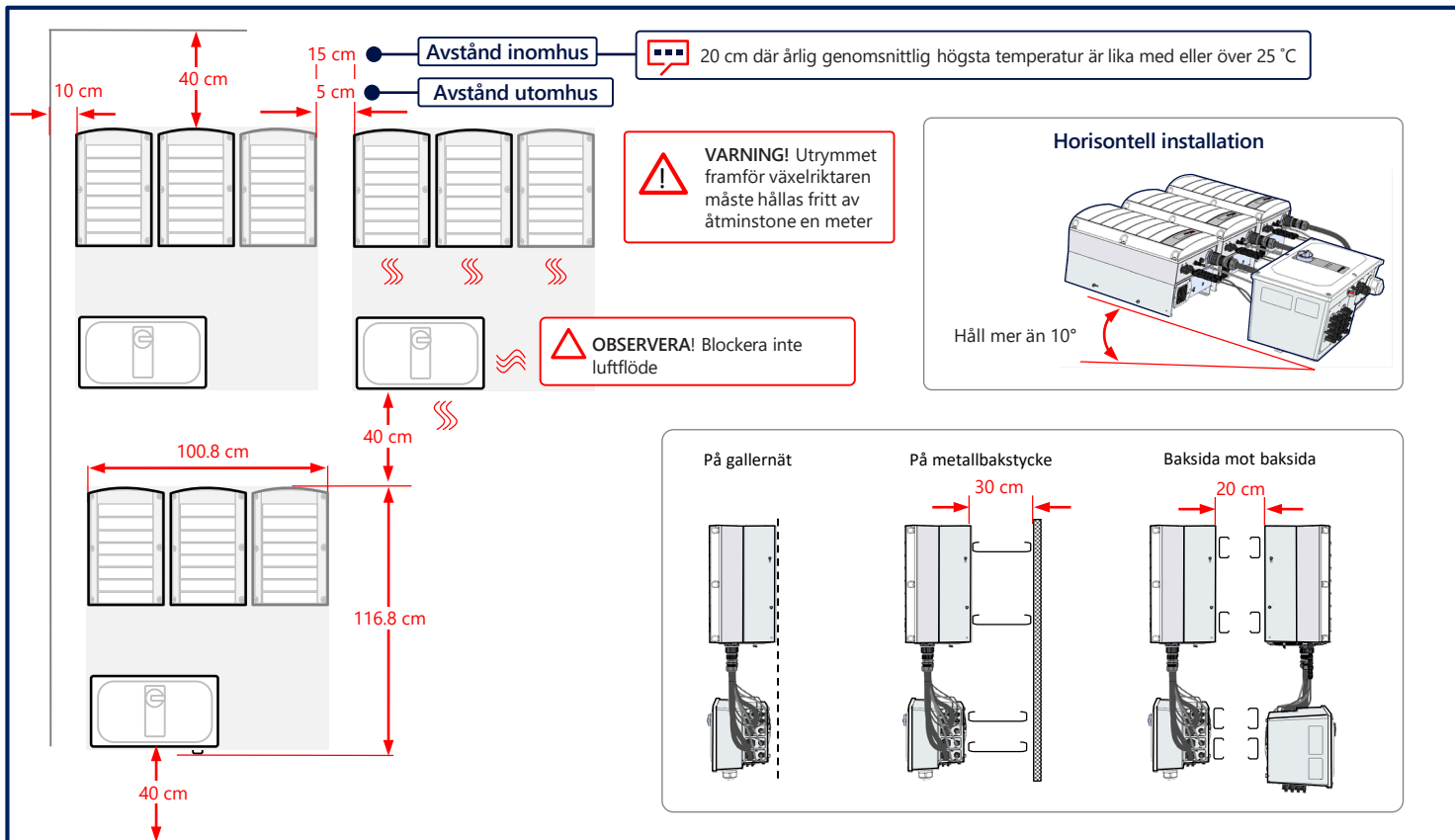


 Kontrollera systems polaritet.
Verifiera $1 \pm 0,1$ V per optimizer
Exempel: 8 optimerare = ~8 V



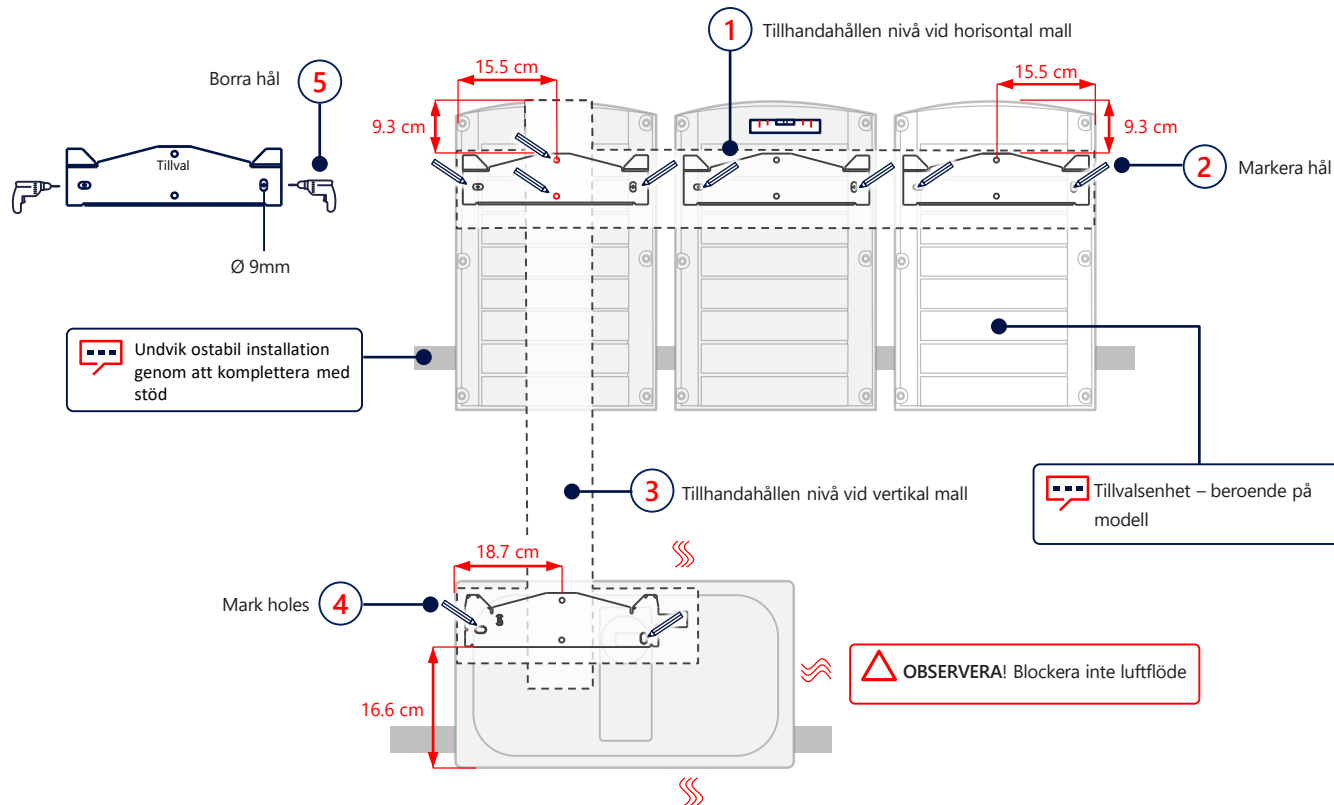
Upprätthålla avstånd

3



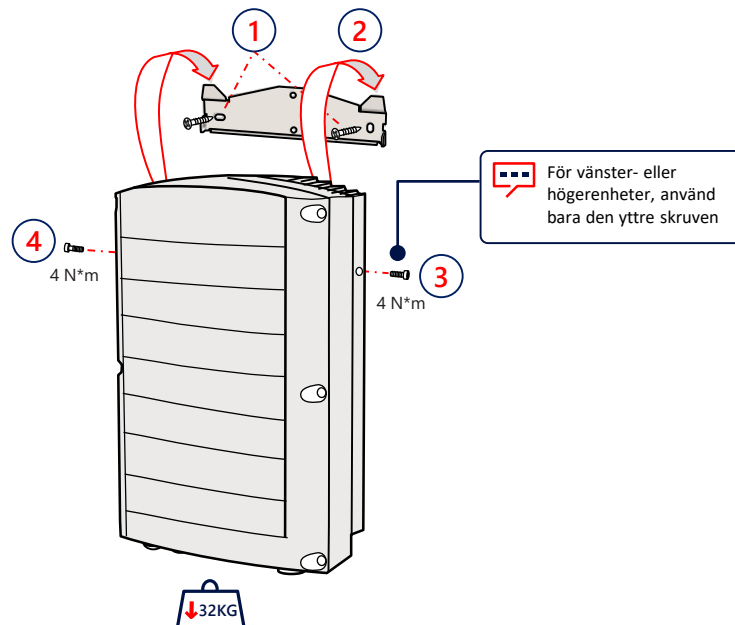
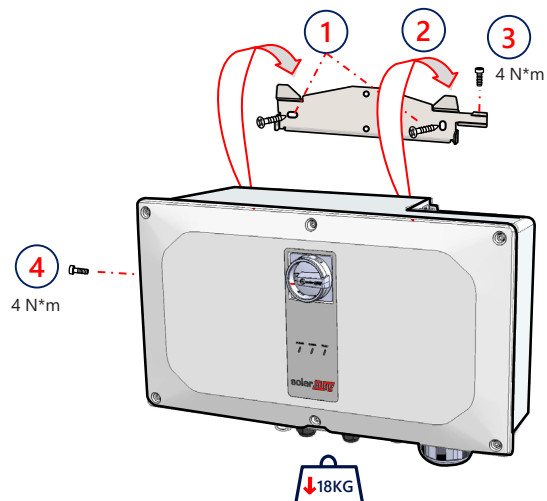
4

Markera och borra hål



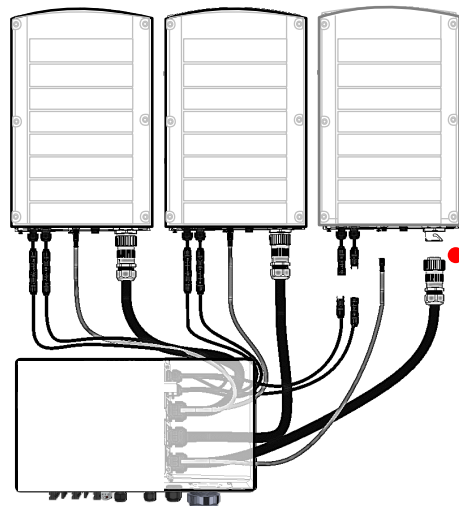
Montering av enheterna

5

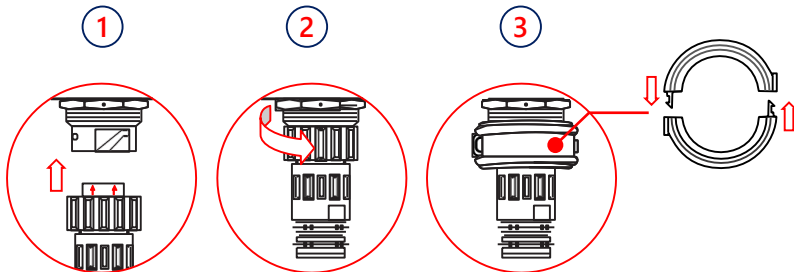


6

Anslutning av kablar



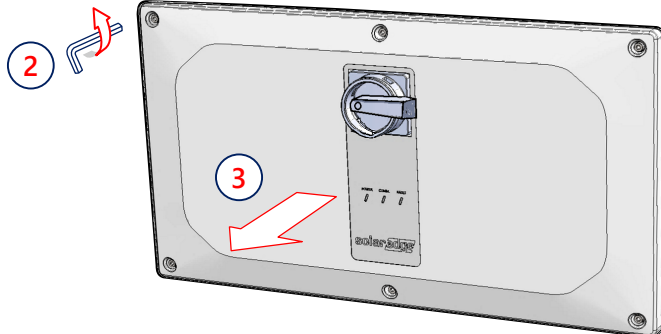
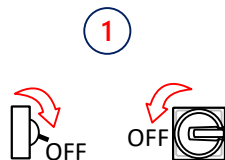
Anslut kablar enligt märkning



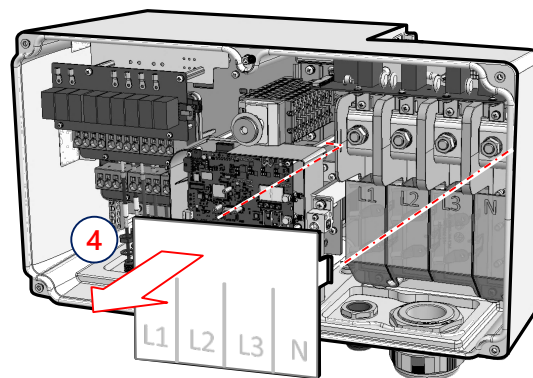
⚠ OBSERVERA! Blockera inte luftflöde



Borttagning av skydd

7**VARNING**

FRÅNKOPPLA STRÖM INNAN INSTALLATION PÅBÖRJAS



8

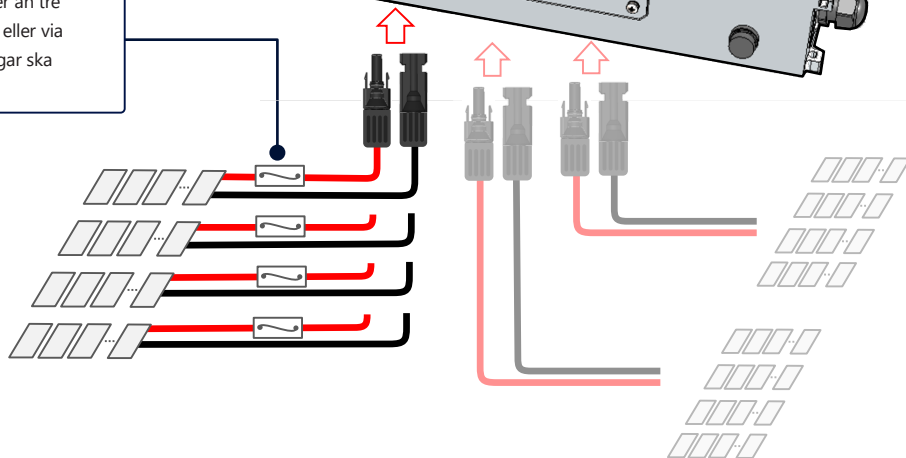
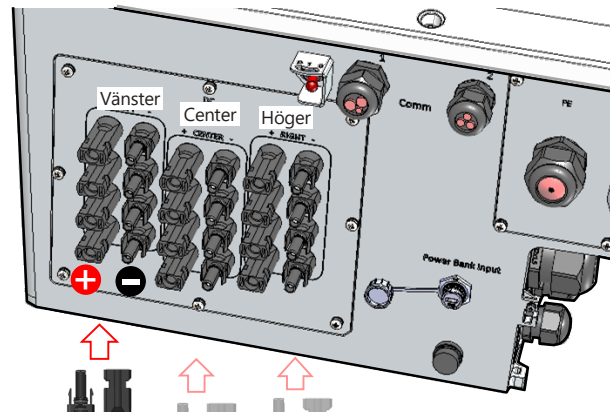
Anslutning av solcellsträngar

Synergienheter
Vänster Center Höger



Håll oanvända anslutningar täckta

Viktigt: Vid installation av system med fler än tre strängar per enskild Synergienhet (direkt eller via combinerbox) krävs säkringar. 25A säkringar ska användas.

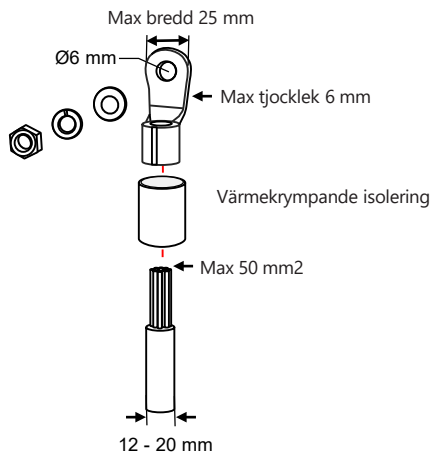


Anslut PV-strängar genom enkel dc-ingång



CAUTION!

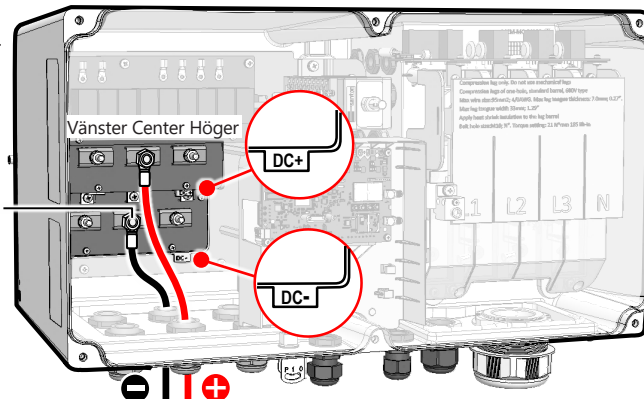
- ANVÄND ENDAST kabelskor i bimetall för aluminiumtrådar
- ANVÄND ENDAST förtennade kabelskor för kopparledningar



Synergienheter
Vänster Center Höger



5.7 N*m

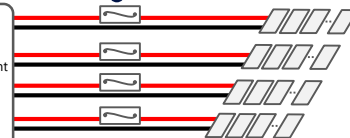


Viktigt: Vid installation av system med fler än tre strängar per enskild Synergienhet (direkt eller via combinerbox) krävs säkringar. 25A säkringar ska användas.



Funktionsjord av DC-sidans negativa eller positiva pol är förbjudet då växelriktaren saknar transformator. Jordning av modulramar eller montagesystem är tillåtet

Kopplingsplint





15 N*m

Max 70 mm²

↑ 10 -11 mm

PE-tråd som tillval 

AC

■ ■ ■ Vid användning av en tvinnad tråd
bestäms hylsan av installatörens riktning

Max bredd 33 mm

Ø 1

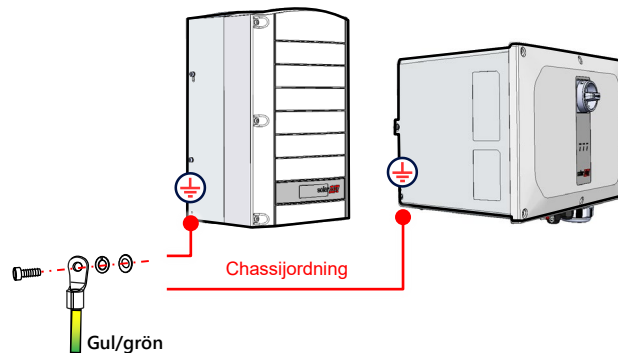
← Max tjocklek 7 mm

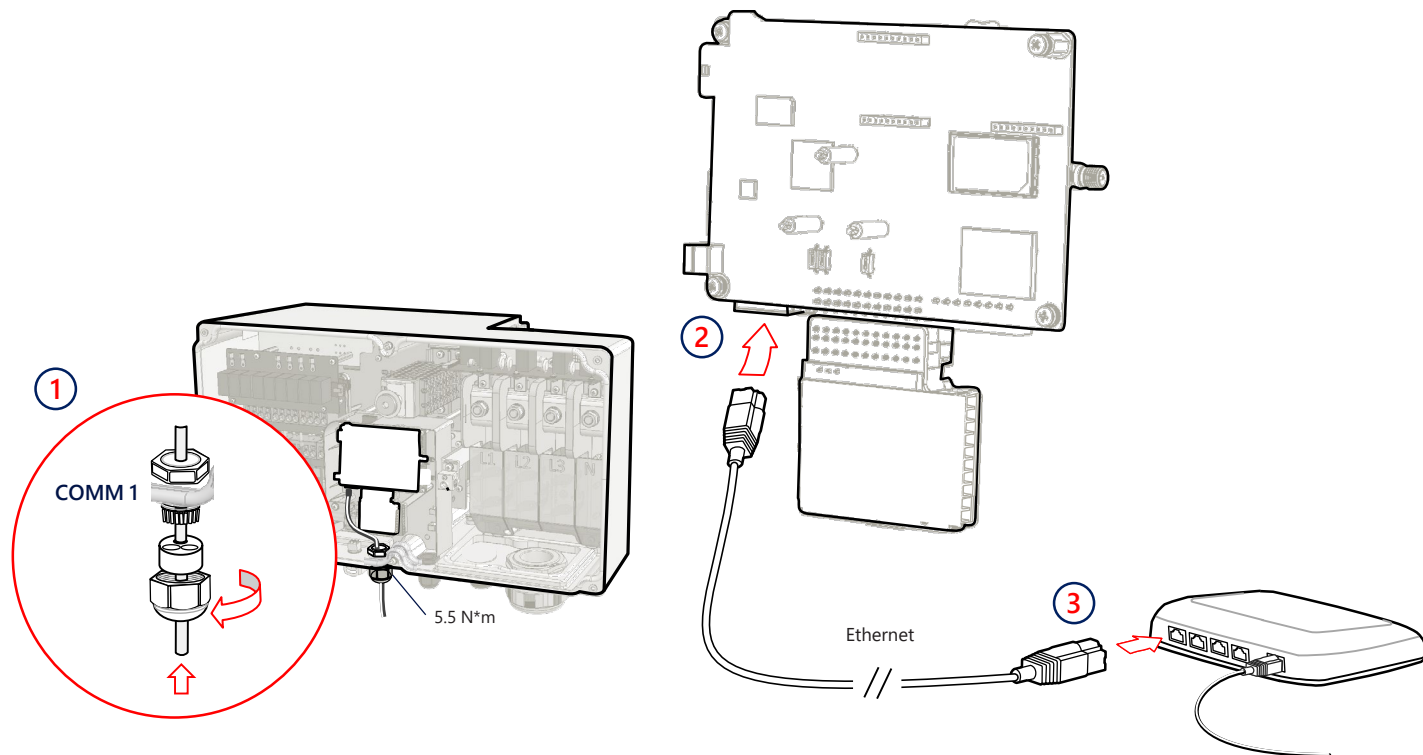
Värmekrymp
ande
isolering
Max: 120 mm²

CAUTION!

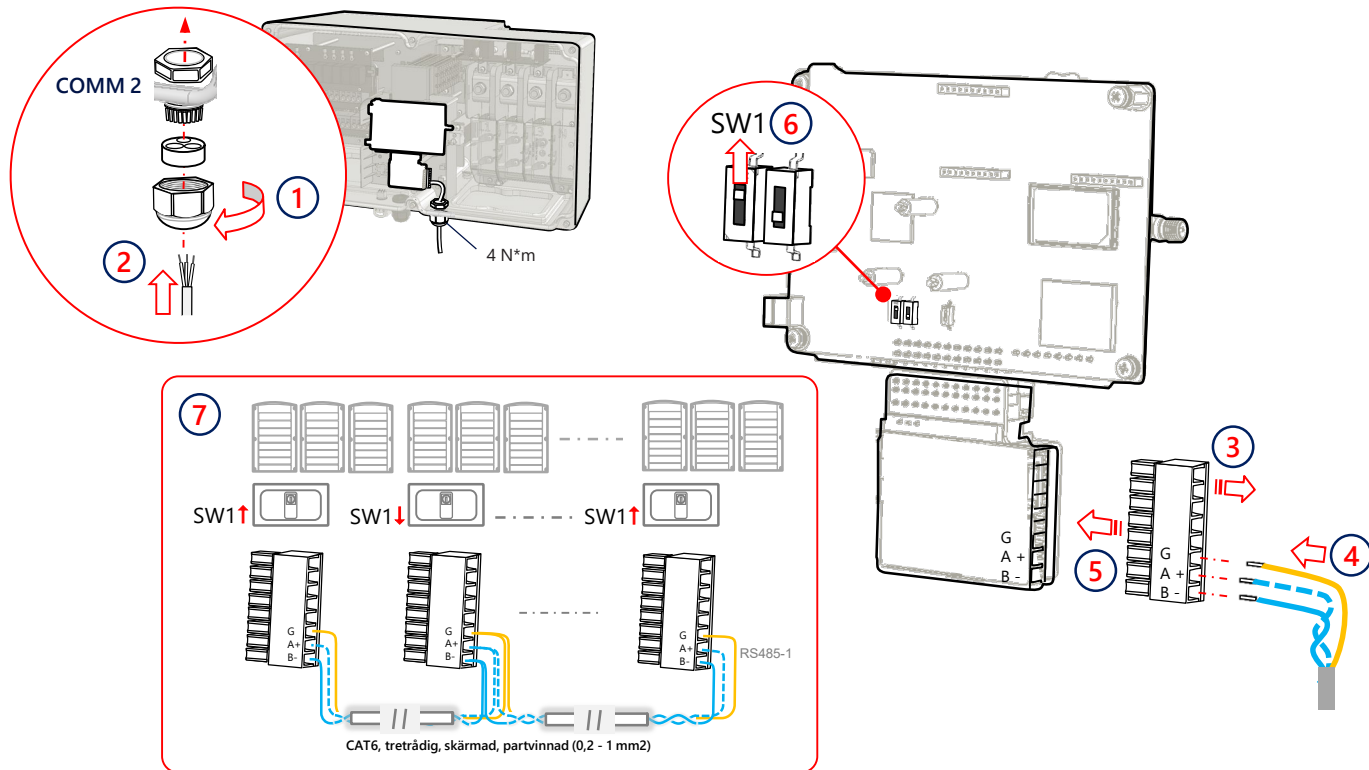
- ANVÄND ENDAST kabelskor i bimetall för aluminiumtrådar
- ANVÄND ENDAST förtennade kabelskor för kopparledningar

Endast tryckkabelskor med ett
hål, standardtrumma, 600 V



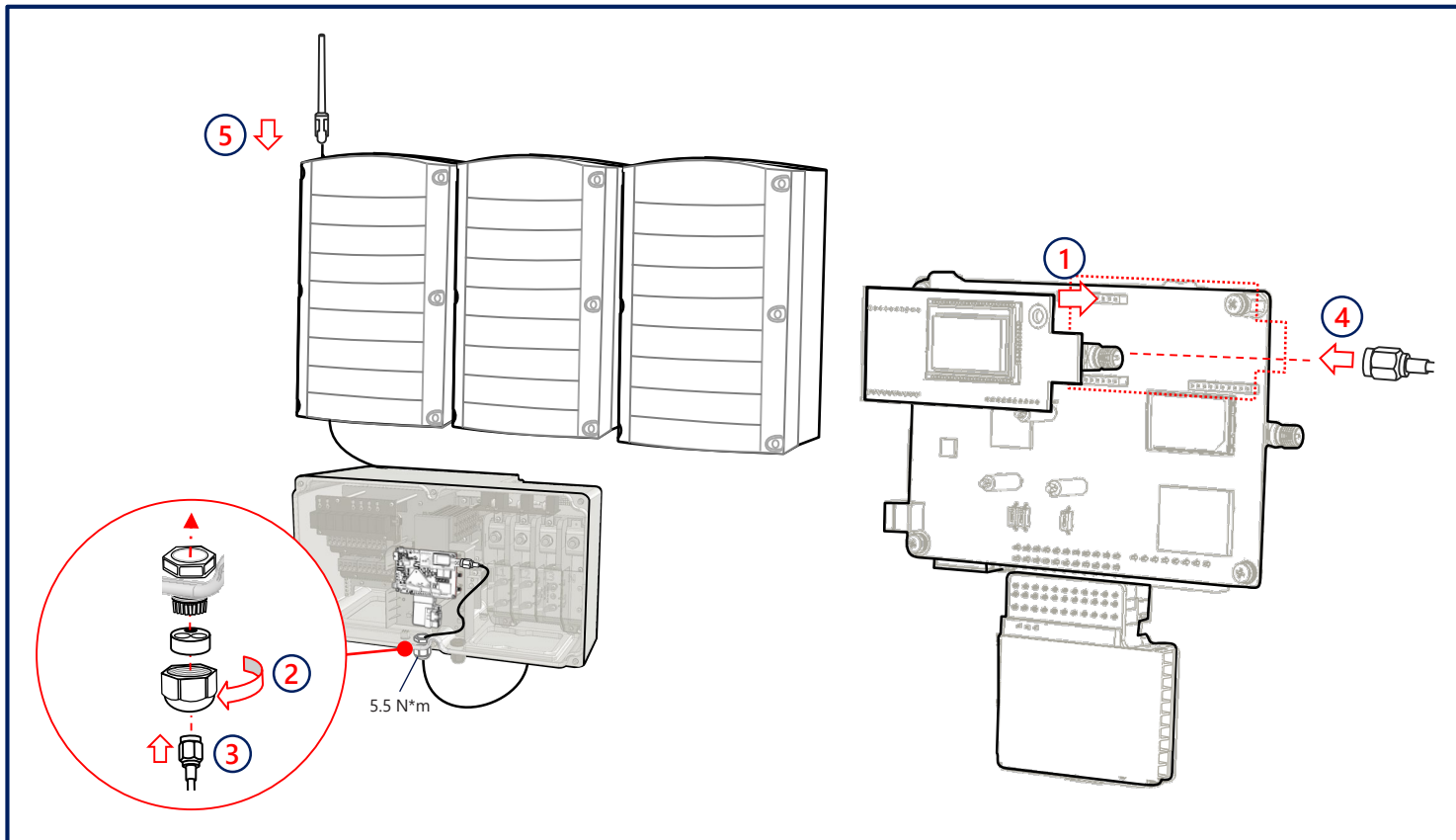


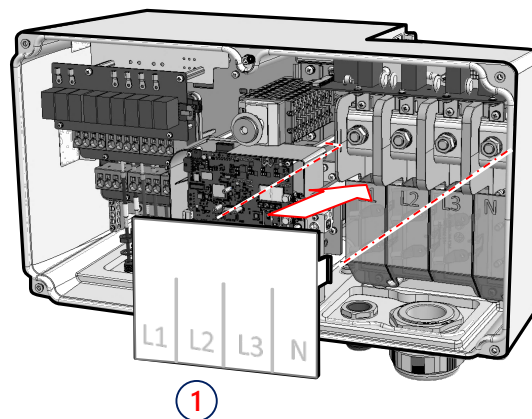
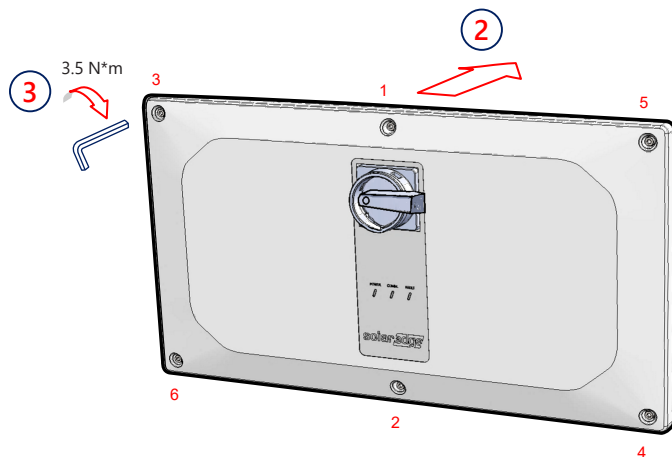
RS485-anslutning av flera växelriktare



13

För-driftsättning innan AC är ansluten (Tillval 1)



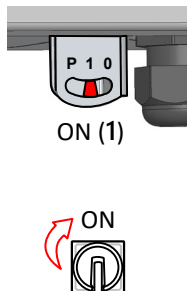


Driftsättning före när likström inte är ansluten (Tillval 1)

①

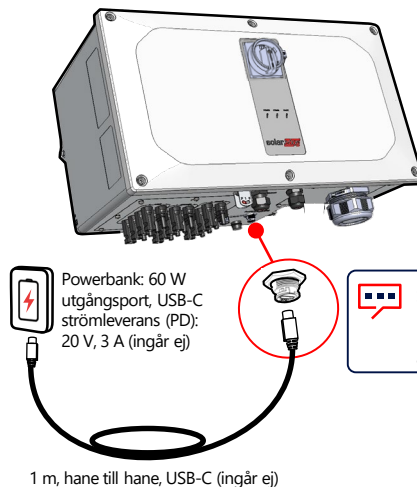
Ladda ner
SolarEdge SetApp

②

Slå på (1)
likströmsbrytare

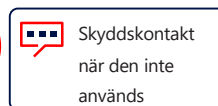
③

Anslut powerbank



④

Starta och följ SetApp



Driftsättning med växel- och likström (Tillval 2)

16

①

Ladda ner
SolarEdge SetApp



②

Slå på ström

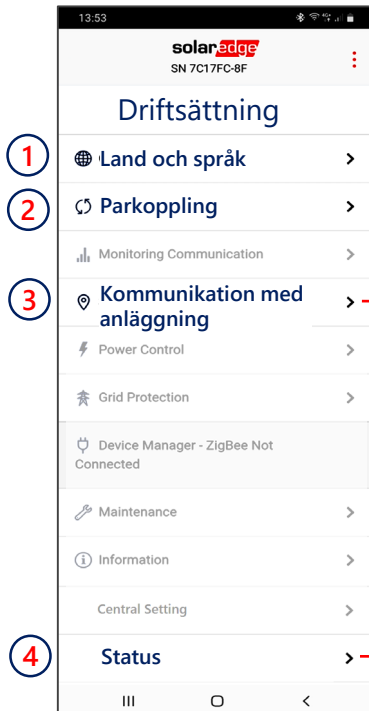
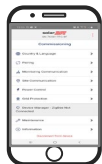


③

Starta och följ SetApp



Driftsättning av primär växelriktare



RS485-1 → Protokoll → SolarEdge → Primär SolarEdge
RS485-1 → Detektering av följare

Anläggning		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Växelriktare		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Växelriktarenheter		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 Of 47	P_OK 47 Of 47	P_OK 47 Of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

STRÖM	KOMM	FEL	
Grön	Blå	Röd	
			System producerar ström
			Växelspänning är ansluten, men systemet producerar inte ström
			Växelriktare kommunicerar med monitoreringsportalen
			Systemfel



Support Kontaktinformation

Om du har tekniska problem avseende
SolarEdgeprodukter, vänligen kontakta oss:
<https://www.solaredge.com/service/support>

Kan komma att ändras utan vidare
meddelande.

Upphovsrätt © SolarEdge Inc. Alla
rättigheter förbehållna. Mars 2021.



Három fázisú inverter Synergy technológiával

Gyors telepítési útmutató

PN: SExxK-xxxxlxxxx

Európában, az Ázsiai és Csendes-
óceáni térségben és Dél-
Afrikában való felhasználásra

1.3 Verzió

Jelmagyarázat



MEGJEGYZÉS

Ez a jel olyan információt jelöl, amely a felhasználót a termék lehető legjobb használatában támogatja.



VIGYÁZAT!

Veszélyt jelöl. Olyan eljárásra hívja fel a figyelmet, amelynek nem megfelelő módú kivitelezése vagy nem pontos betartása a termék károsodásához vagy megsemmisüléséhez vezethet. A Vigyázat jelzés után ne folytassa a munkát, amíg a jelzett feltételeket tökéletesen meg nem érti és azok nem teljesültek.



FIGYELMEZTETÉS!

Veszélyt jelöl. Olyan eljárásra hívja fel a figyelmet, amelynek nem megfelelő módú kivitelezése vagy nem pontos betartása személyi sérüléshez vagy halálhoz vezethet. A Figyelmeztetés jelzés után ne folytassa a munkát, amíg a jelzett feltételeket tökéletesen meg nem érti és azok nem teljesültek.



Ne vágja le a kábelek csatlakozóit



Ez a szimbólum a SolarEdge berendezés földelési pontjainál jelenik meg.



ON



OFF

A fő áramköri lapon kapcsolja BE/KI az AC kapcsolót és várjon 5 percet



ON



OFF

A Synergy Menedzseren kapcsolja BE/KI a DC biztonsági kapcsolót és várjon 5 percet (Csak a DC biztonsági kapcsolóval felszerelt modellek esetében)

EZT AZ ÚTMUTATÓT ŐRIZZE MEG – Az útmutató a Három fázisú inverter összeszerelése és karbantartása során követendő fontos utasításokat tartalmaz. A berendezésnek a SolarEdge által ebben a dokumentumban nem meghatározott módon történő használata ronthatja a berendezés által nyújtott védelmet.

A teljesítményoptimalizálók telepítése

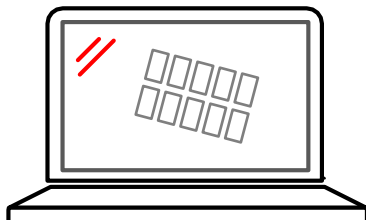
1

1 → 2 → 3 → 4 → 5 → 6

1

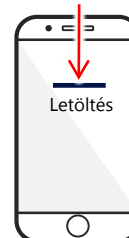
Használja a SolarEdge Tervezőt
az SE rendszerek
megtervezéséhez

<https://designer.solaredge.com>



2

Töltse le a SolarEdge Mapper alkalmazást
a sztring teljesítményoptimalizálóinak
leképezéséhez

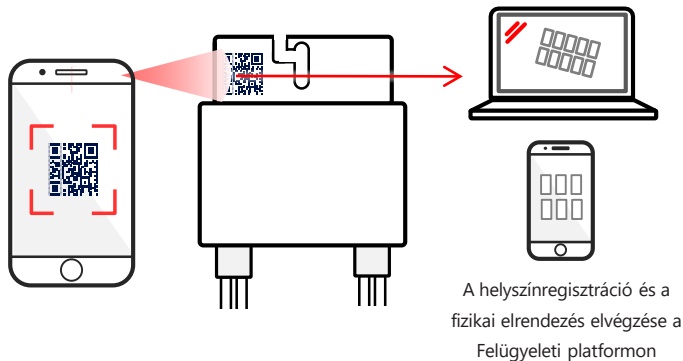


A teljesítményoptimalizálók telepítése

1 → 2 → 3 → 4 → 5 → 6

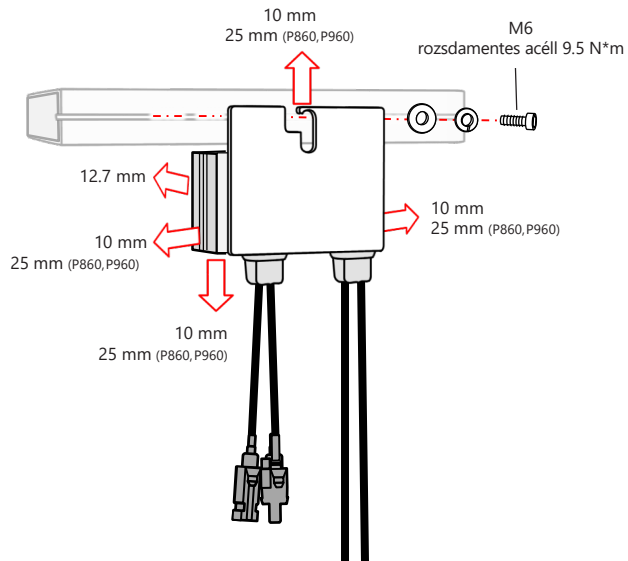
3

QR-kód szkennelése Mapper
használatával



4

A teljesítményoptimalizáló telepítése



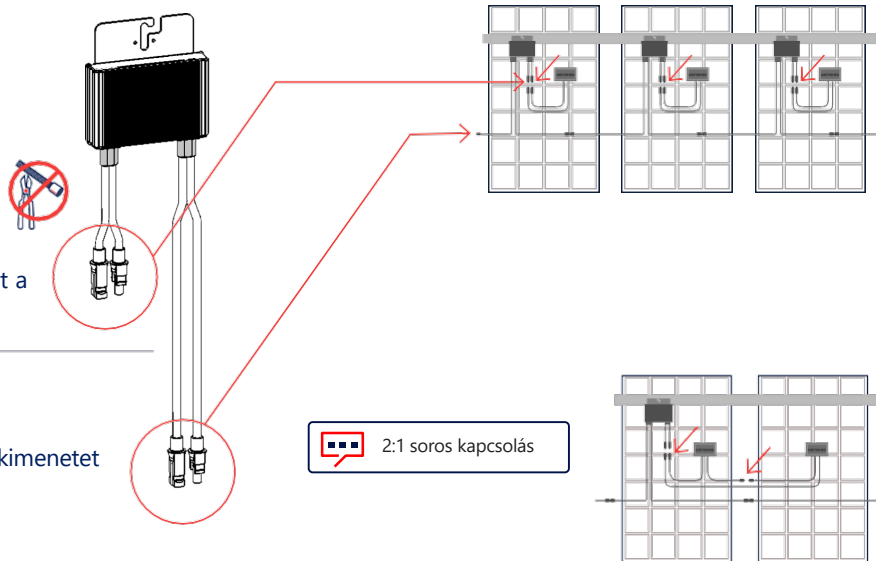
A teljesítményoptimalizálók telepítése

1

① → ② → ③ → ④ → ⑤ → ⑥

⑤ Csatlakoztassa a bemenetet a Modulhoz

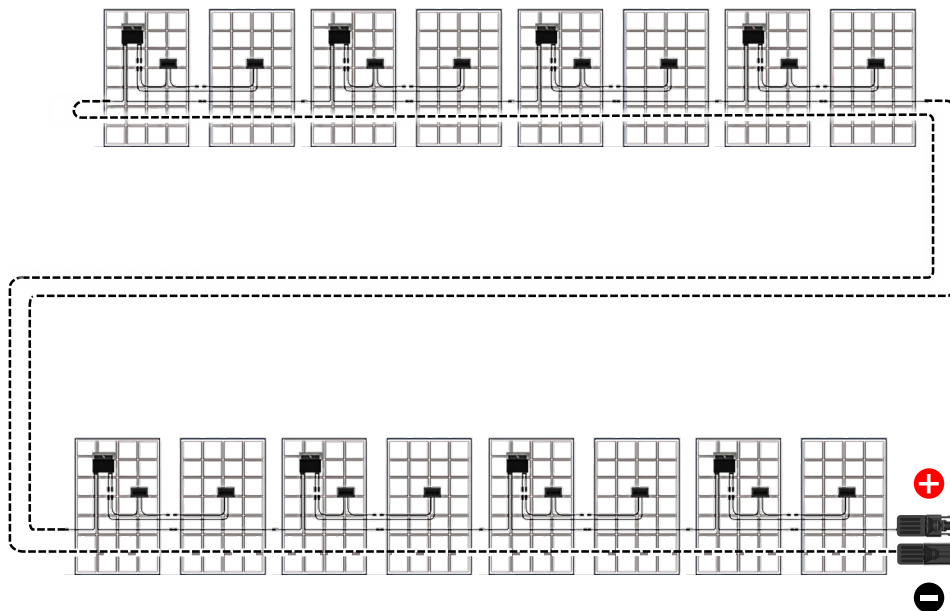
⑥ Csatlakoztassa a kimenetet a Stringhez



■ Két PV modul párhuzamos csatlakoztatásához használjon kettős bemenet-optimalizálót (P800p), vagy elágaztatót, ha a két PV modult egyetlen bemenet-optimalizálóhoz csatlakoztatja.

2

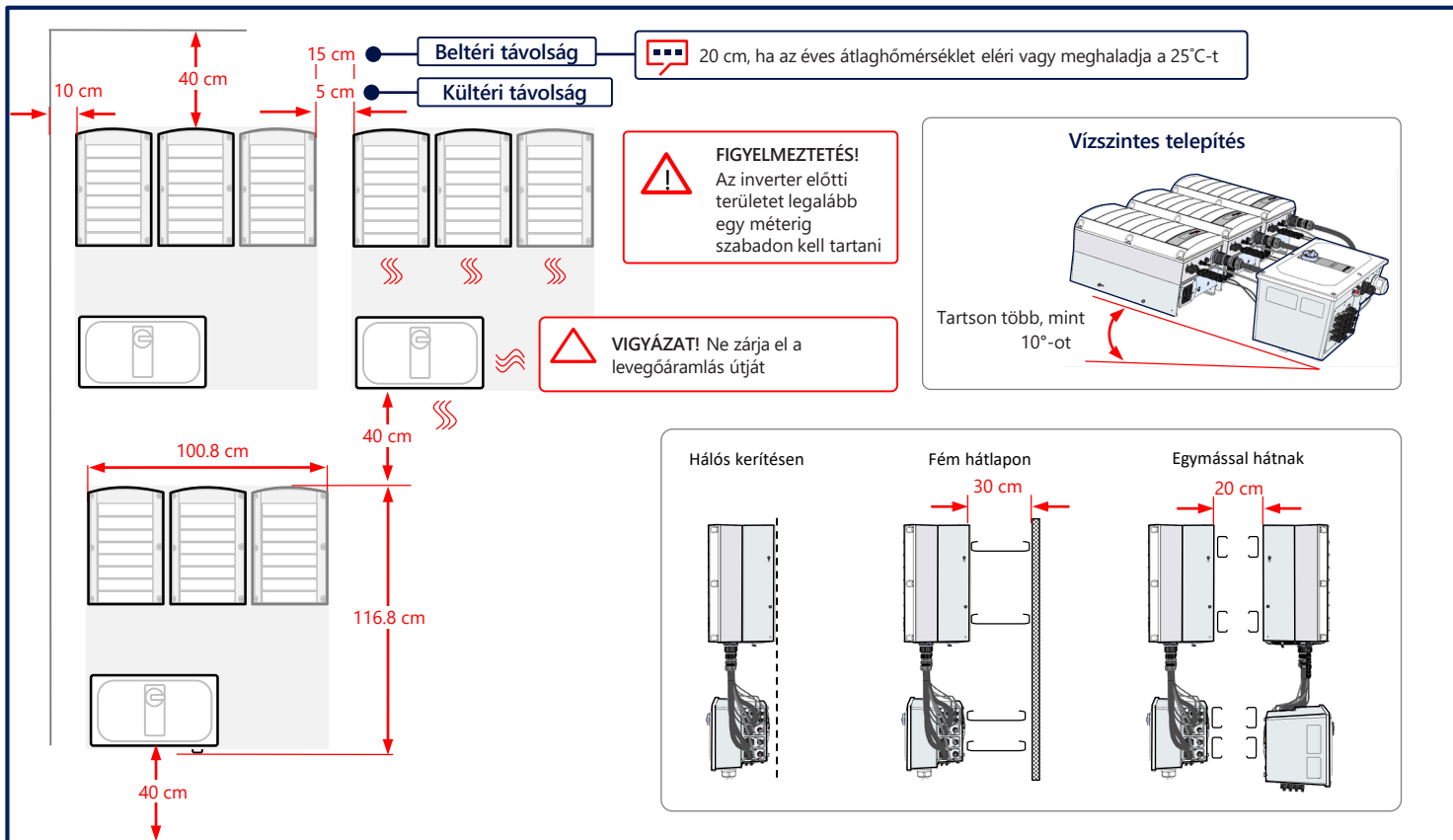
A PV mező csatlakoztatása



Ellenőrizze a mező polaritását. Hitelesítsen $1 \pm 0,1V$ -ot optimalizálónként. Például: 8 optimalizáló $\approx \sim 8V$

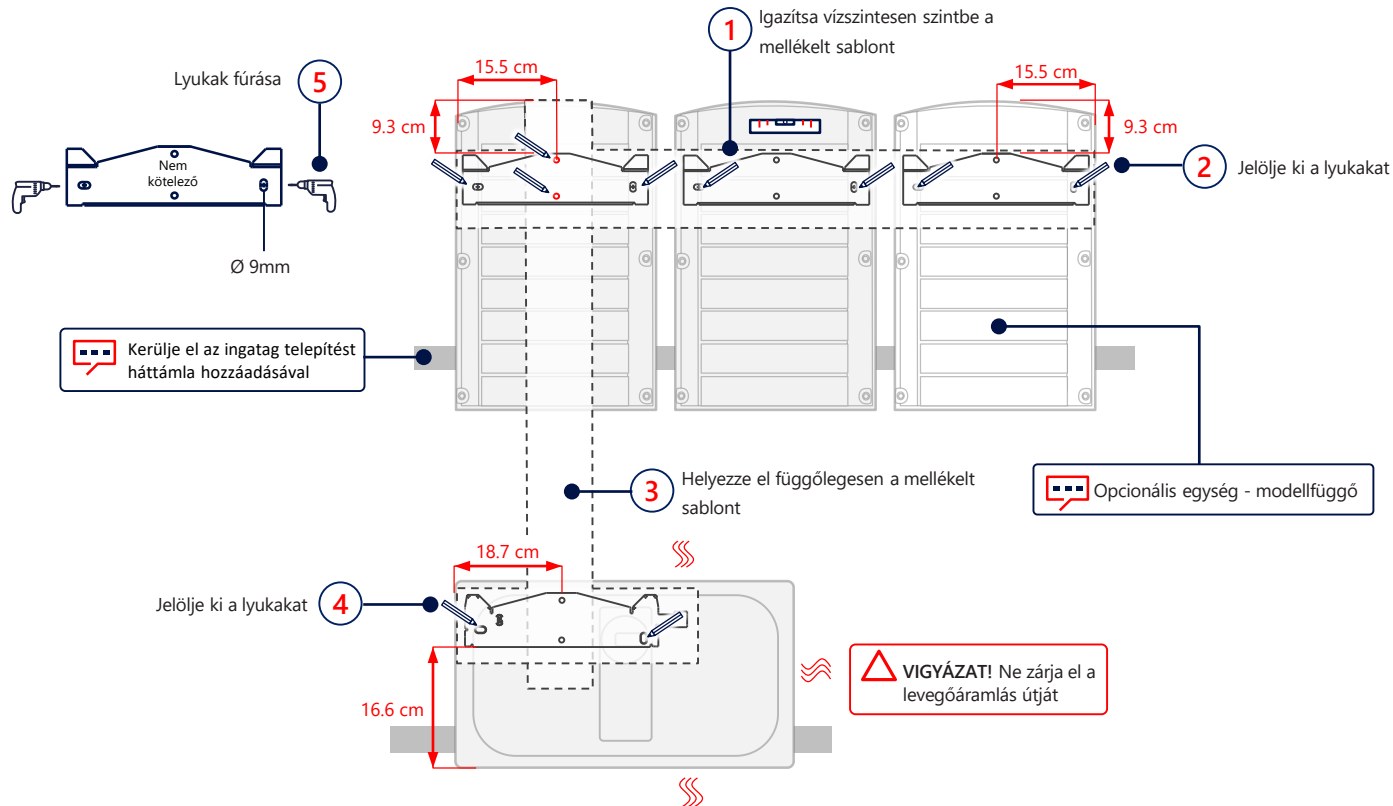
Távolságigény megtartása

3



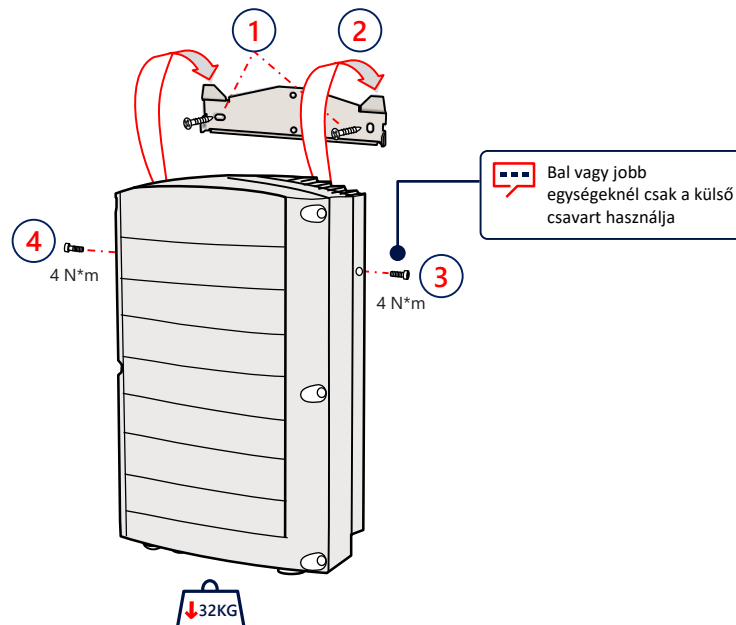
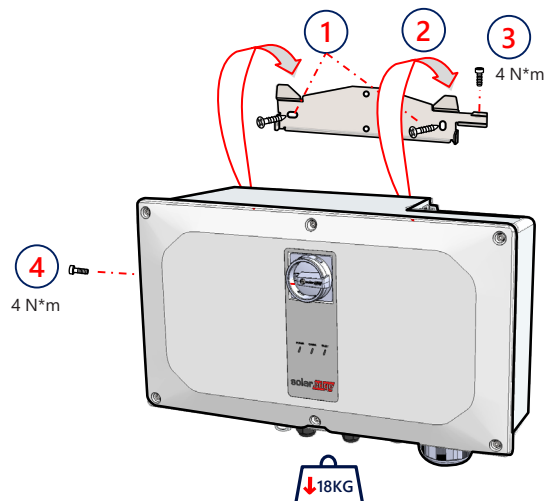
4

Lyukak helyének megjelölése és kifúrása



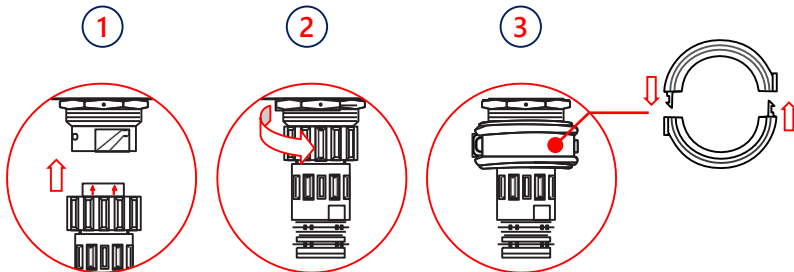
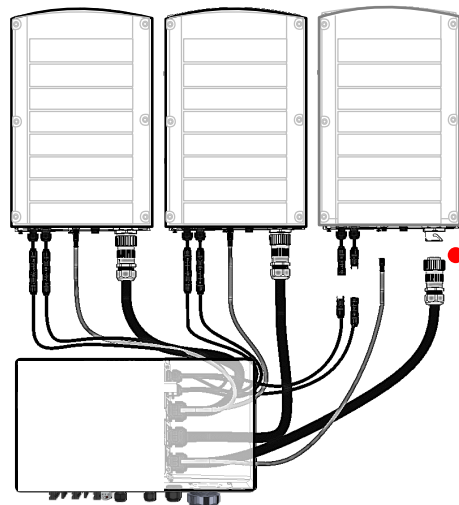
Az egységek rögzítése

5

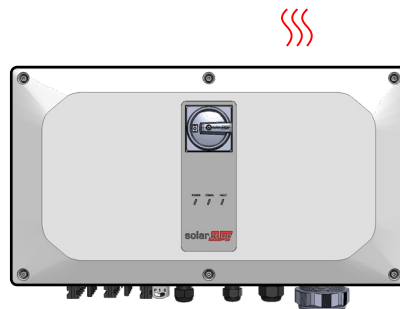


6

Az összekötő kábelek csatlakoztatása



Csatlakoztassa a kábeleket a címék szerint

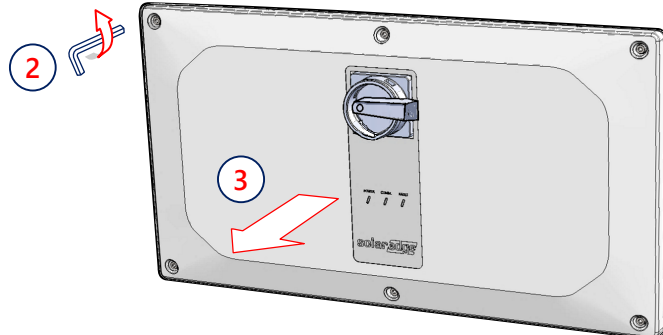
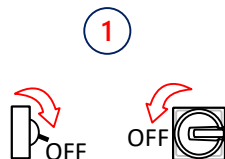


VIGYÁZAT! Ne zárja el a levegőáramlás útját



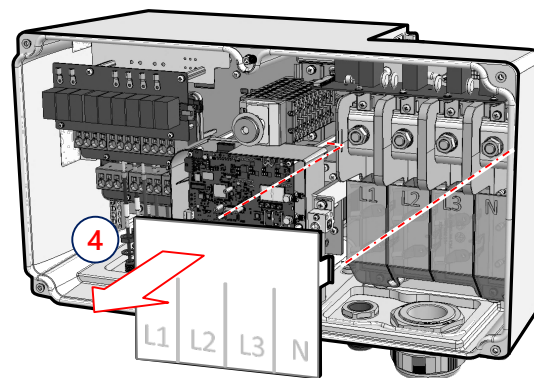
A fedlapok eltávolítása

7



FIGYELMEZTETÉS

A TELEPÍTÉS MEGKEZDÉSE ELŐTT VÁlassza LE AZ ÁRAMFORRÁST



A PV stringek csatlakoztatása

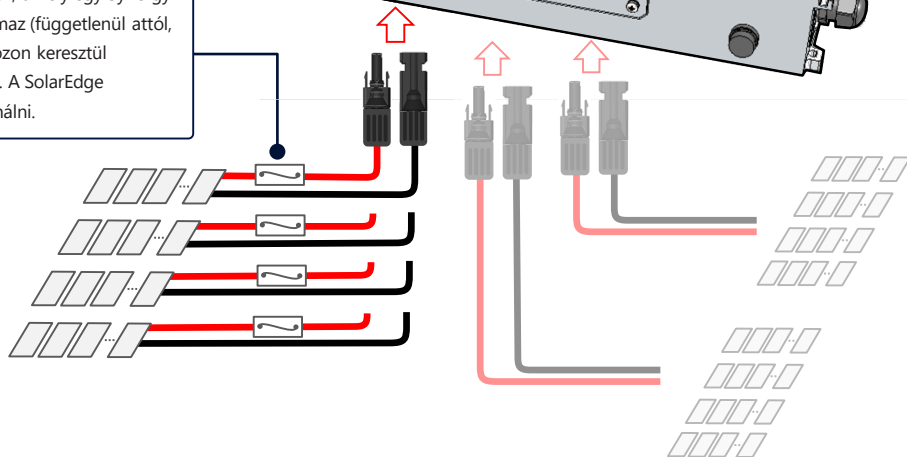
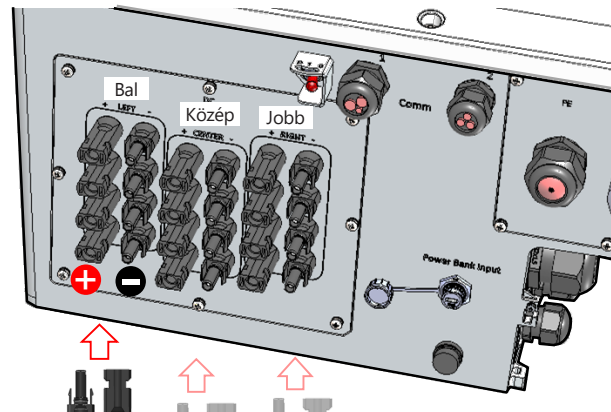
Synergy egységek

Bal Közép Jobb



A használaton kívüli csatlakozókat tartsa lefedve

Fontos: Ha egy olyan rendszert telepítenek, amely egy Synergy egységenként több mint 3 stringet tartalmaz (függetlenül attól, hogy közvetlenül vagy kombinációs dobozon keresztül csatlakozik-e), biztosítékokra van szükség. A SolarEdge rendszerben 25A biztosítékokat kell használni.

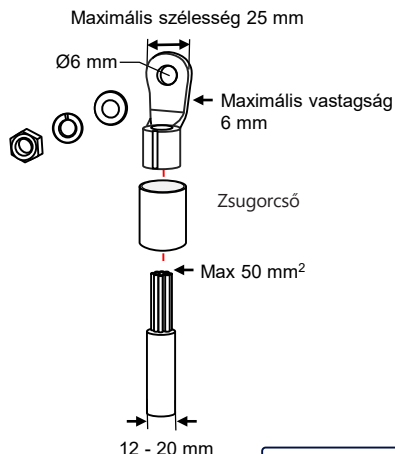


PV stringek csatlakoztatása egyetlen DC bemeneten keresztül



VIGYÁZAT!

- Alumíniumvezetékhez CSAK bimetál szemes sarut HASZNÁLJON
- Rézvezetékhez CSAK ózított réz szemes sarut HASZNÁLJON



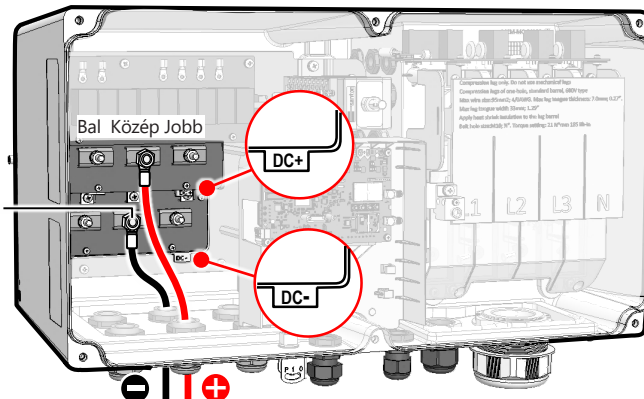
A DC oldali negatív vagy pozitív pólus funkcionális elektromos földelése tilos, mert az inverterben nincs transzformátor. A tartószerkezet és a PV-tömb modulok kereteinek földelése megengedett.

Synergy egységek

Bal Közép Jobb

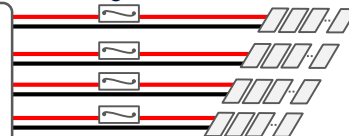


5.7 N*m



Fontos: Ha egy olyan rendszert telepítenek, amely egy Synergy egységenként több mint 3 stringet tartalmaz (függetlenül attól, hogy közvetlenül vagy kombinációs dobozon keresztül csatlakozik-e), biztosítékokra van szükség. A SolarEdge rendszerben 25A biztosítékokat kell használni.

Közösítő doboz

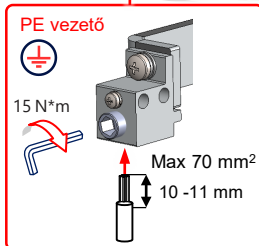
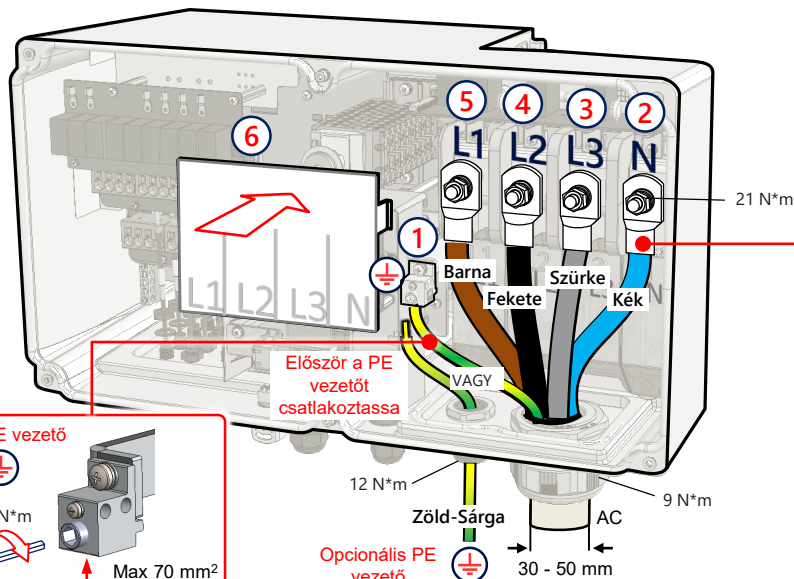


9

Az AC és a Védőföld csatlakoztatása (PE)

Az inverter 4 vezető + PE vagy 3 vezető + PE csatlakozást támogat

Az AC kimenet túláramvédelmét más forrásból kell biztosítani, lásd a szerelési útmutatót

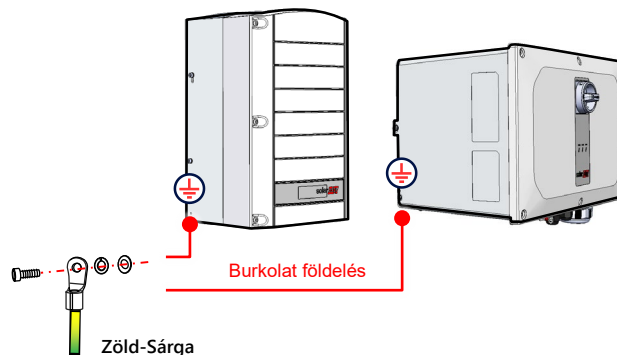
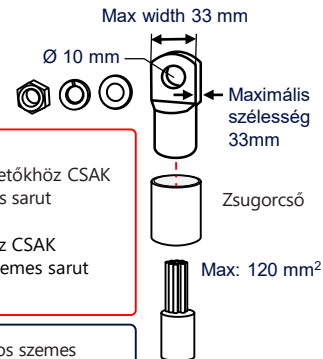


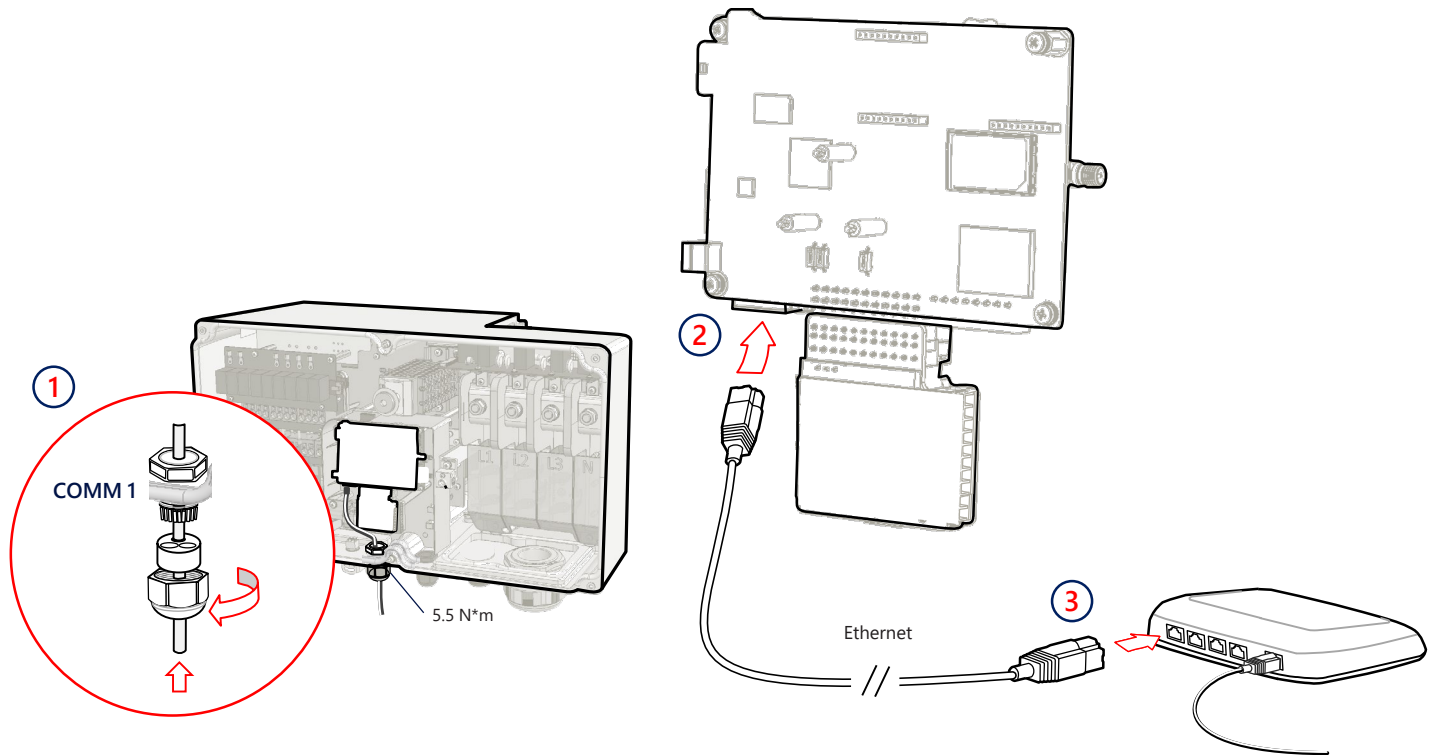
Sodort huzal használata esetén az érvéghüvely használata a telepítő döntése alapján történik

VIGYÁZAT!

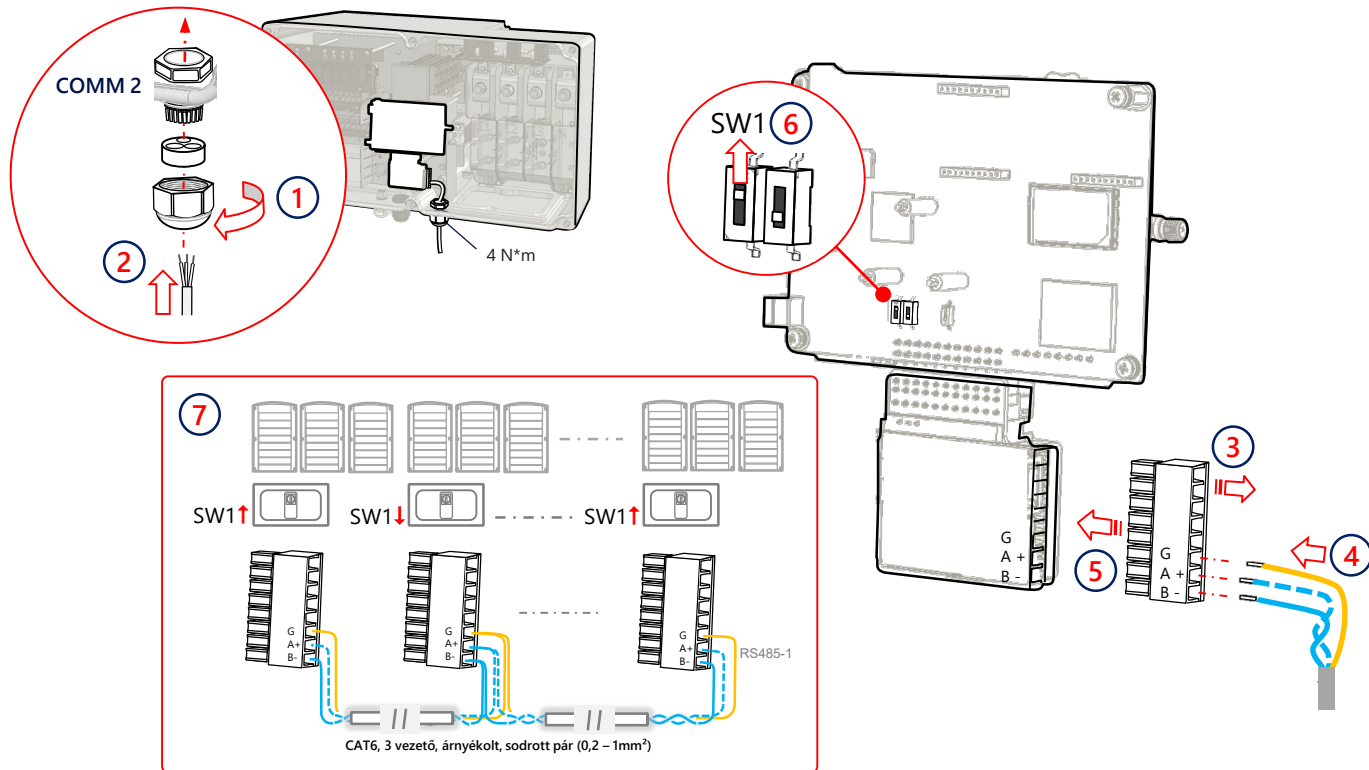
- Alumíniumvezetékhez CSAK bimetal szemes sarut HASZNÁLJON
- Rézvezetékhez CSAK ónozott réz szemes sarut HASZNÁLJON

Egylyukú szabványos szemes csősar, csak kompressziós, 600V



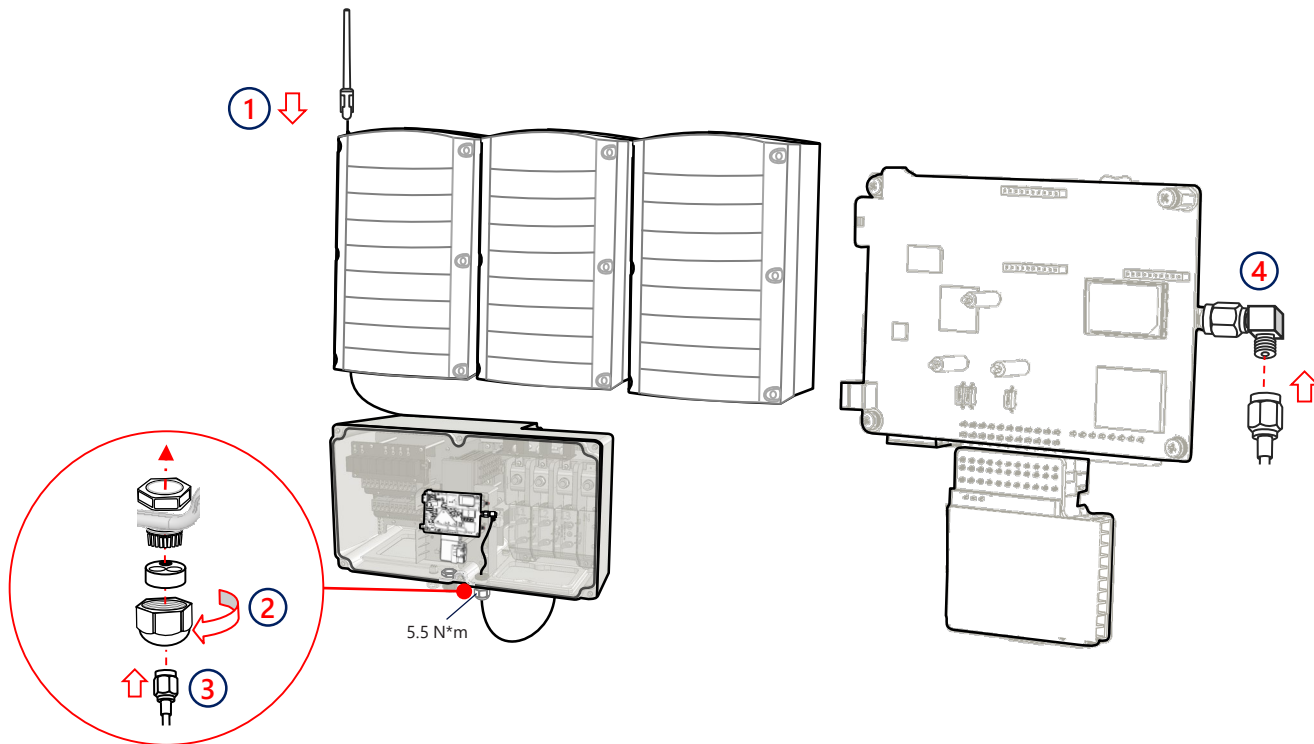


Több inverter csatlakozása RS485-ön



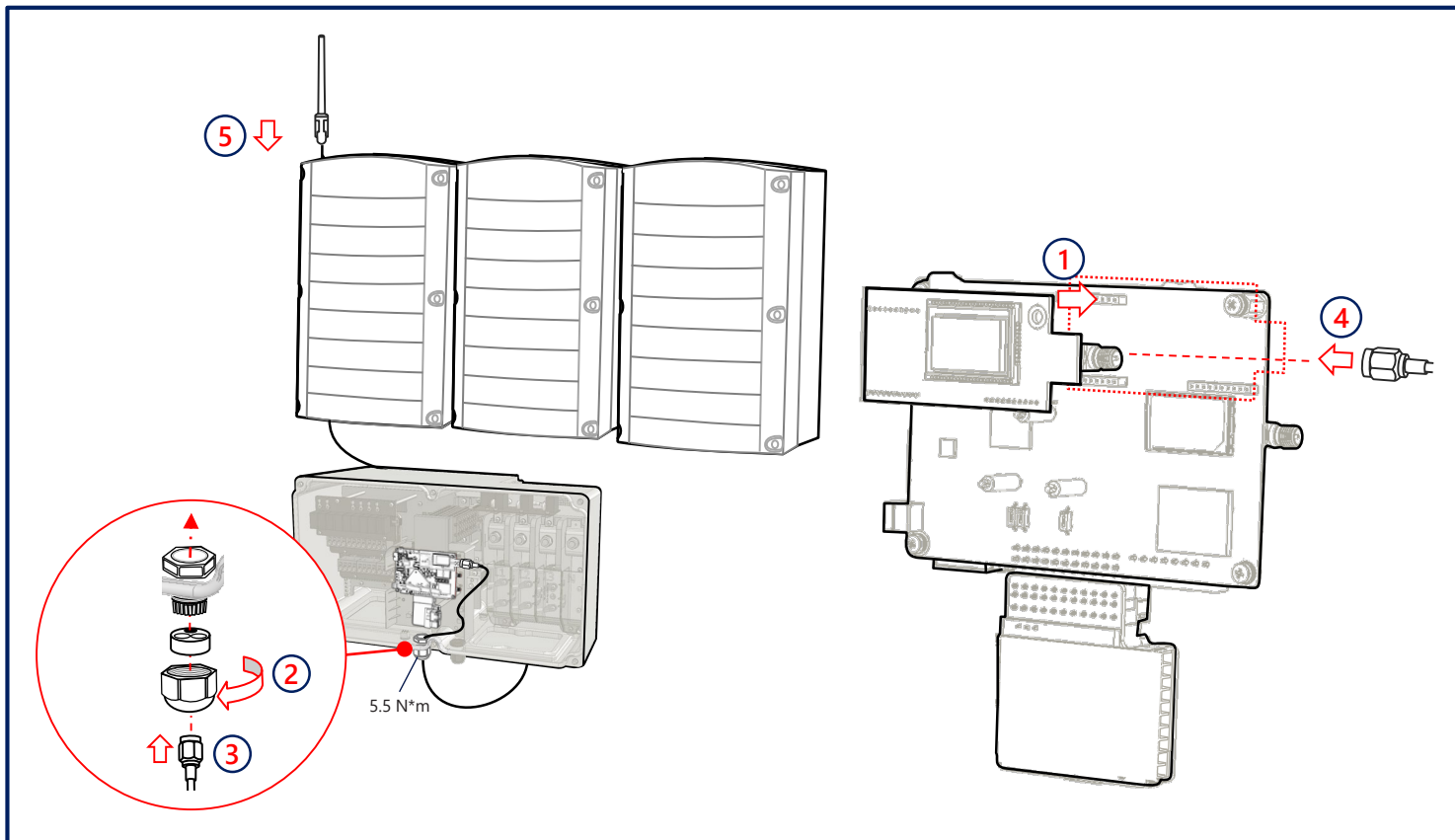
Wifi kommunikáció csatlakoztatása (Opcionális)

12



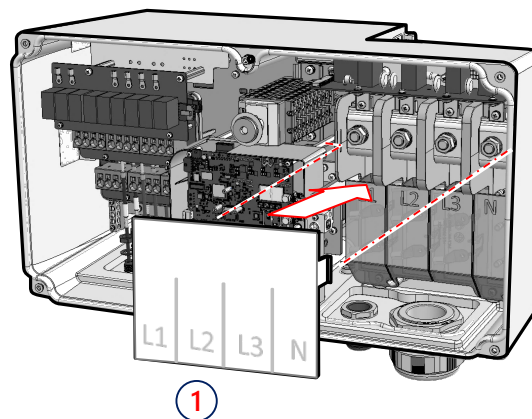
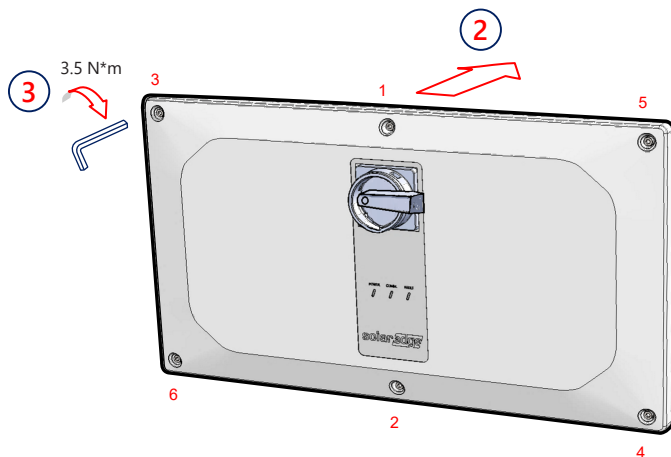
13

Mobilnetes kommunikáció csatlakoztatása (Opcionális)



A fedlapok telepítése

14



Előzetes üzembe helyezés, ha az áramellátás (AC) nincs csatlakoztatva (1. lehetőség)

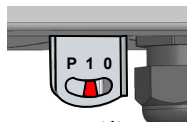
1

Töltse le a
SolarEdge SetApp-ot



2

Állítsa a DC-kapcsolót
be állásba

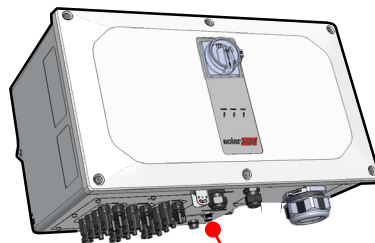


ON (1)



3

Csatlakoztassa a hordozható
akkut



Hordozható akku:
60W-os kimenet port,
USB-C áramellátás
(PD): 20V 3A
(nincs mellékelve)

1méter, apa-apa csatlakozó, USB-C (nincs mellékelve)

4

Indítsa el a SetAppot és
kövesse az utasításait



A csatlakozó legyen
lefedve ha használaton
kívül van

Üzembe helyezés DC és AC áramellátással (2. lehetőség)

16

1

Töltse le a
SolarEdge SetApp-ot



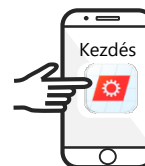
2

Kapcsolja be az
áramellátást

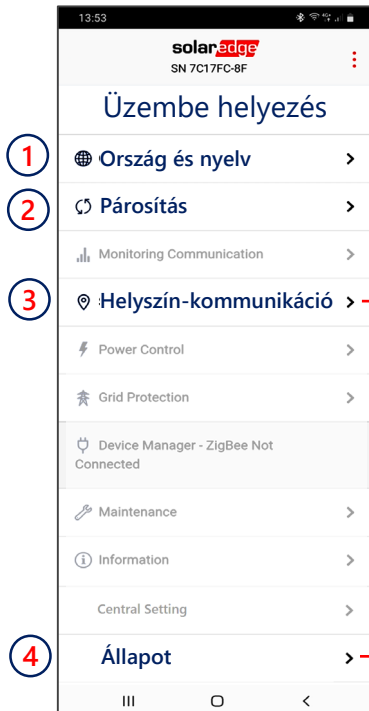
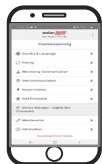


3

Indítsa el a SetAppot és
kövesse az utasításait



Az irányító inverter üzembe helyezése



RS485-1 → Protokoll → SolarEdge → Solaredge Irányító

RS485-1 → Követő azonosítás

Helyszín		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Inverter SN 07318000C		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Inverteregységek		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 Of 47	P_OK 47 Of 47	P_OK 47 Of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

TELJ. KOMM. HIBA

Zöld

Kék

Piros



A rendszer energiát termel



Az AC csatlakoztatva van, de a rendszer nem termel energiát



Az inverter kommunikál a felügyeleti platformmal



Rendszerhiba

Támogatás elérhetőségei

Ha technikai problémái vannak a SolarEdge termékekkel kapcsolatban, kérjük, lépjen velünk kapcsolatba:

<https://www.solaredge.com/service/support>

Előzetes értesítés nélkül változtatható.

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Třífázový měnič se synergickou technologií

Stručný návod k instalaci

PN: SExxK-xxxxlxxxx

Pro Evropu, oblast
APAC a Jižní Afriku
Verze 1.3

Legenda



POZNÁMKA

Tímto symbolem se označují informace, které mají uživateli pomoci s optimálním používáním produktu.



Tímto symbolem jsou v manuálech a na zařízeních SolarEdge opatřeny zemnicí body.



UPOZORNĚNÍ!

Představuje riziko. Nedodržení nebo nesprávné provedení tohoto postupu může způsobit poškození nebo zničení produktu. Nepokračujte v provádění postupu, který následuje za upozorněním, dokud plně nepochopíte a nesplníte uvedené podmínky.



Zapněte/vypněte hlavní AC jistič a počkejte 5 minut



VAROVÁNÍ!

Představuje riziko. Nedodržení nebo nesprávné provedení tohoto postupu může způsobit zranění nebo smrt. V případě varování nepokračujte v provádění postupu, dokud plně nepochopíte a nesplníte uvedené podmínky.



Zapněte/vypněte bezpečnostní DC odpojovač Synergy Manageru a počkejte 5 minut (Platí pouze pro modely s bezpečnostním DC odpojovačem.)



Nestříhejte konektory kabelů.

TYTO POKYNY USCHOVEJTE – Tento průvodce obsahuje důležité pokyny k třífázovému měniči, které je nutné dodržovat během instalace a údržby. Používání tohoto zařízení způsobem, který není v tomto dokumentu specifikován společností SolarEdge, může narušit ochranu poskytovanou tímto zařízením.

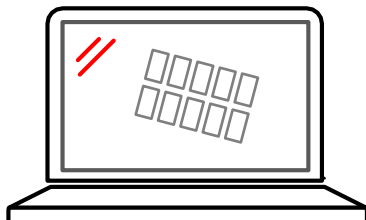
Instalace výkonových optimalizérů

1

1 → 2 → 3 → 4 → 5 → 6

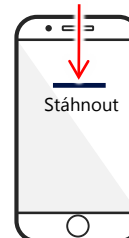
1

Pro návrh SE systému
použijte SolarEdge Designer
<https://designer.solaredge.com>



2

Stáhněte si SolarEdge Mapper pro
mapování výk. optimalizérů stringů

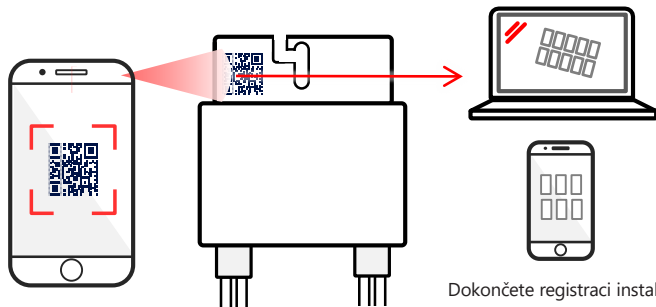


Instalace výkonových optimizérů

1 → 2 → 3 → 4 → 5 → 6

3

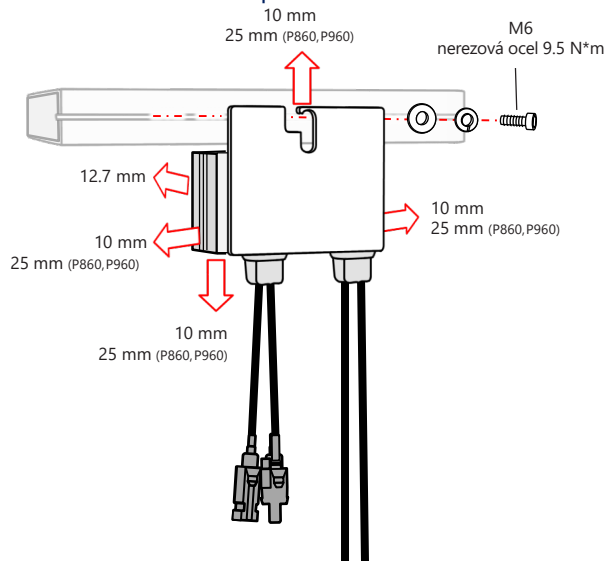
Naskenujte QR kód pomocí Mapperu.



Dokončete registraci instalace
a fyzické rozvržení v
monitorovací platformě

4

Nainstalujte výkonový
optimizér



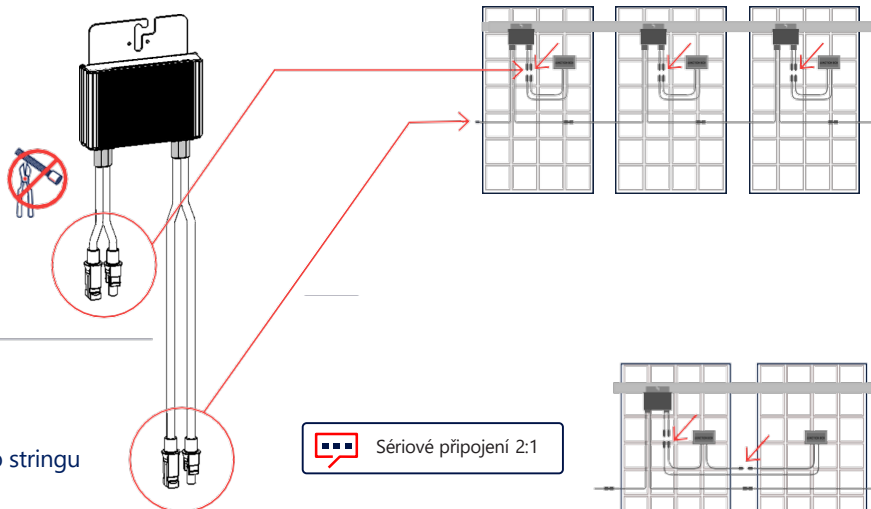
Instalace výkonových optimizérů

1

① → ② → ③ → ④ → ⑤ → ⑥

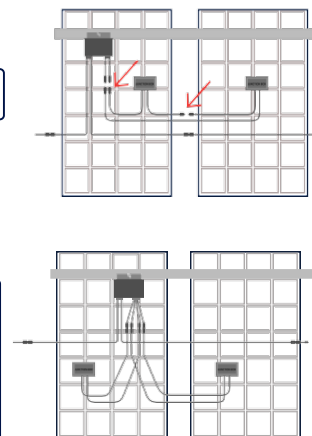
⑤ Připojte vstup z panelu

⑥ Připojte výstup do stringu



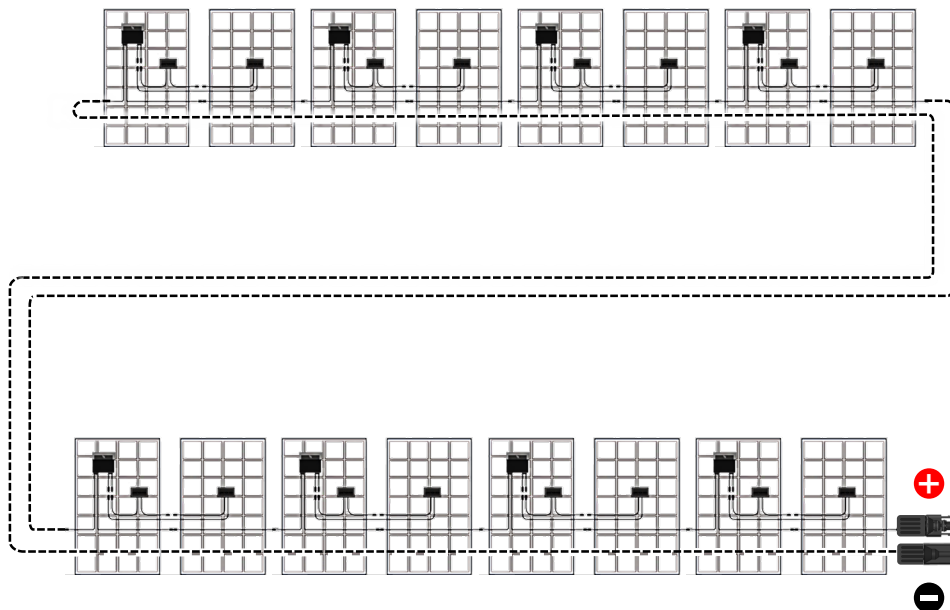
■ ■ ■ Sériové připojení 2:1

■ ■ ■ K paralelnímu připojení dvou FV panelů použijte optimizér se dvěma vstupy (P800p) nebo odbočným kabelem připojte dva FV panely k optimizéru s jedním vstupem.



2

Připojení FV pole

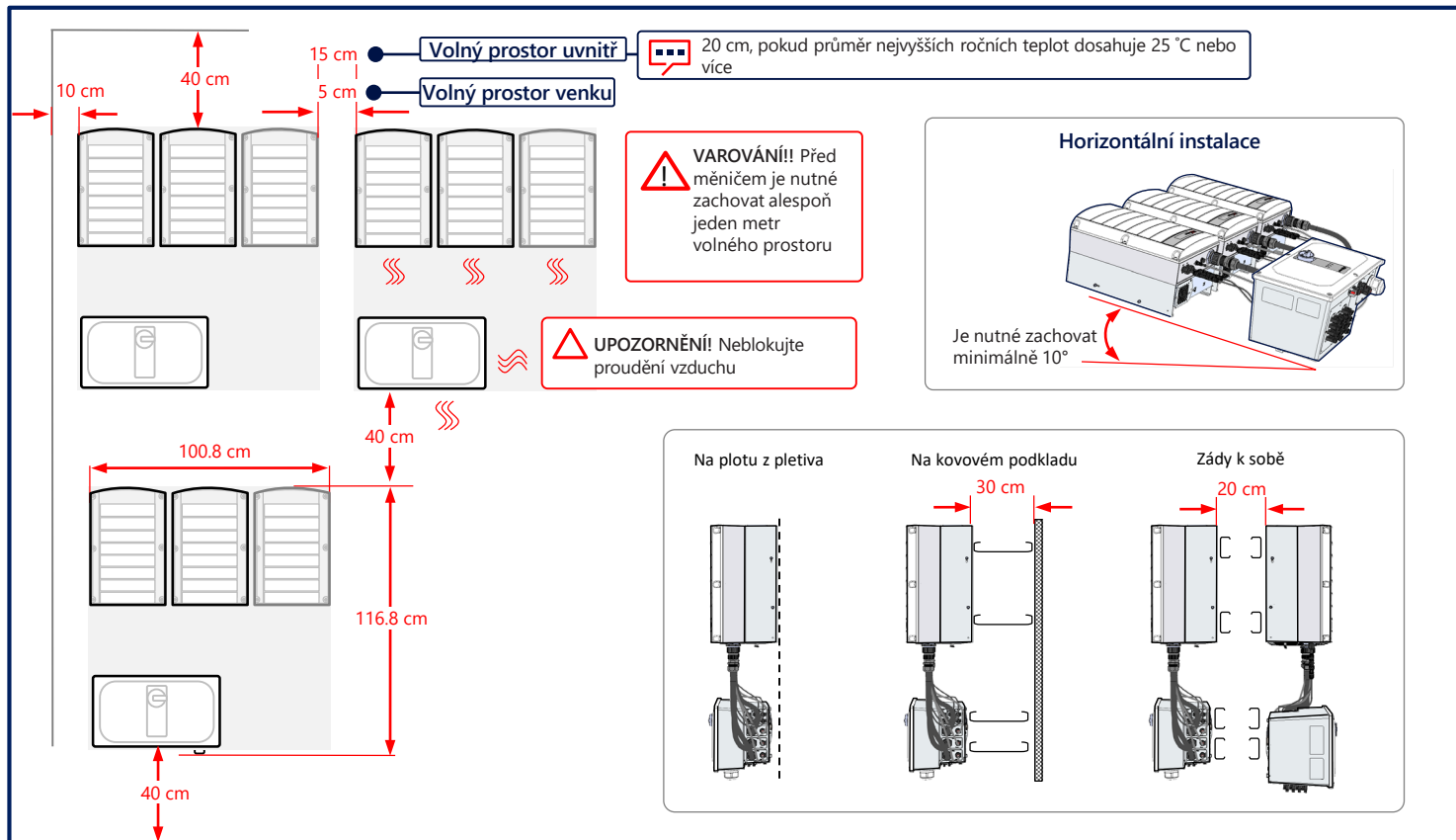


 Zkontrolujte polaritu pole.
Ověřte $1 \pm 0,1$ V na optimizér
Příklad: 8 optimizéry = ~ 8 V



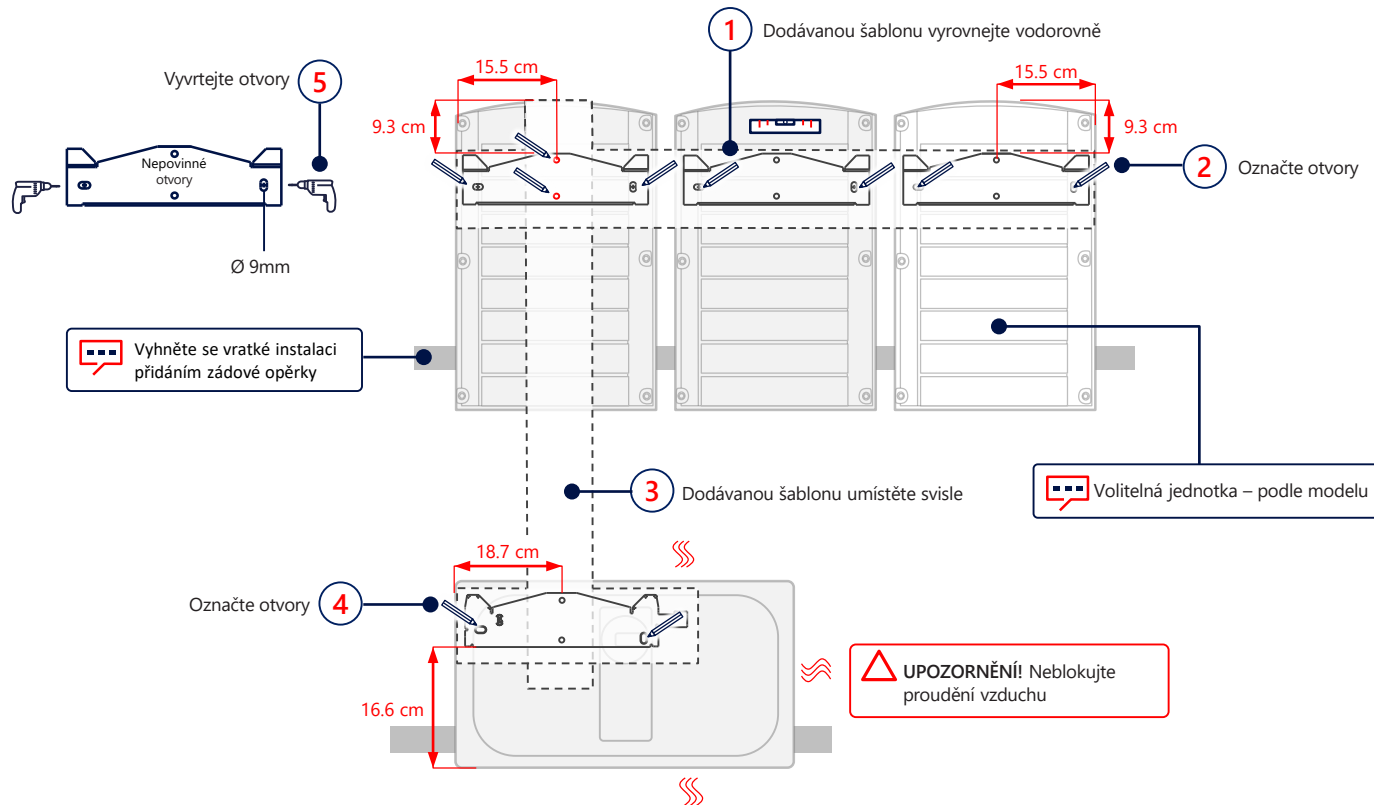
Zachování vzdálenosti

3



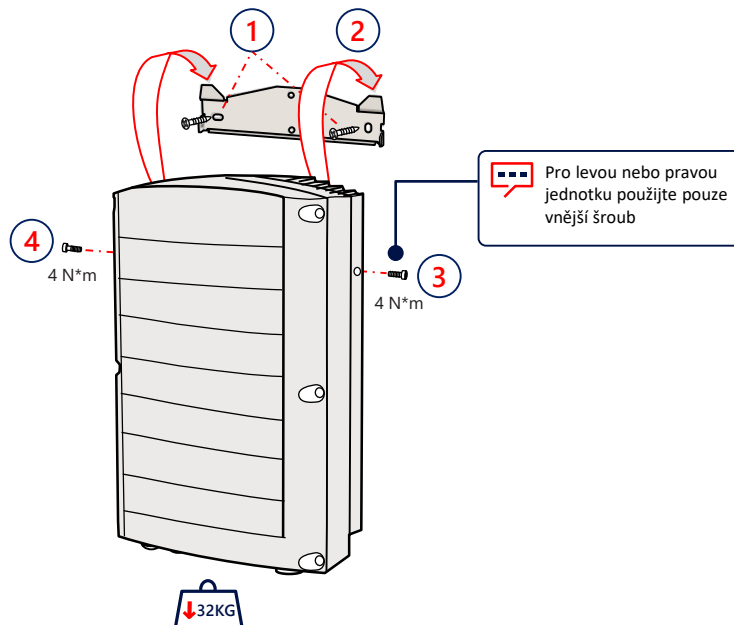
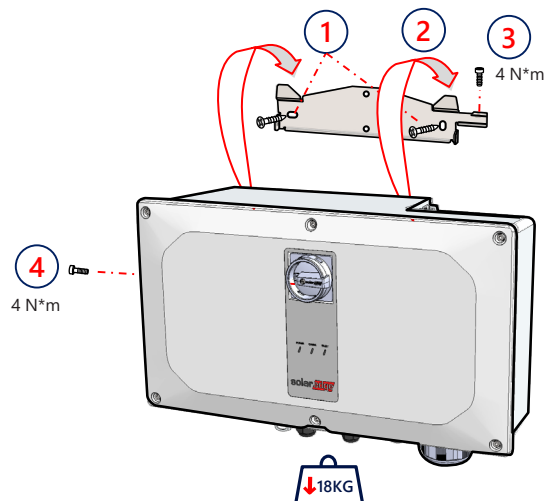
4

Značky a vrtání otvorů



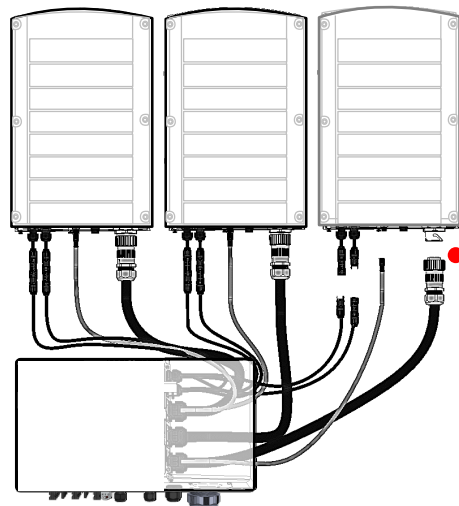
Montáž jednotek

5

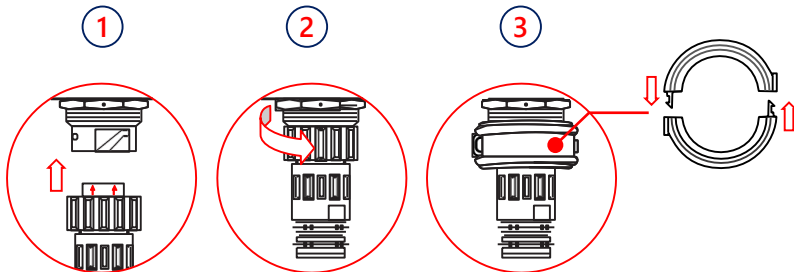


6

Připojení propojovacích kabelů



☰ Připojte kabely podle štítků

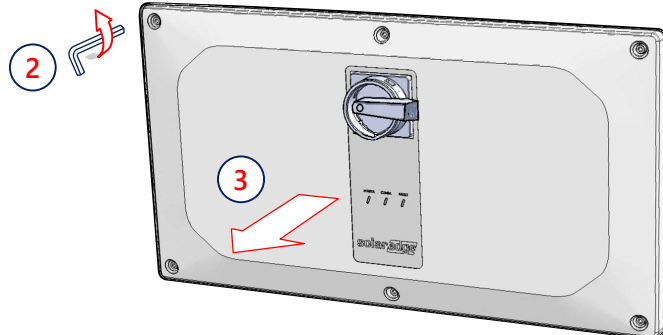
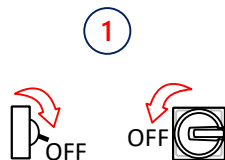


⚠ UPOZORNĚNÍ! Neblokujte proudění vzduchu

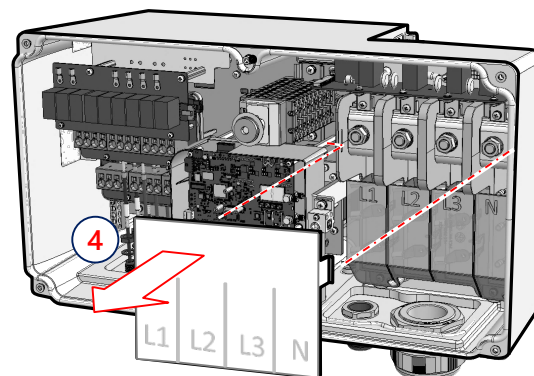


Odstranění krytů

7

**VAROVÁNÍ**

PŘED ZAHÁJENÍM MONTÁŽE VYPNĚTE NAPÁJENÍ



Připojení FV stringů

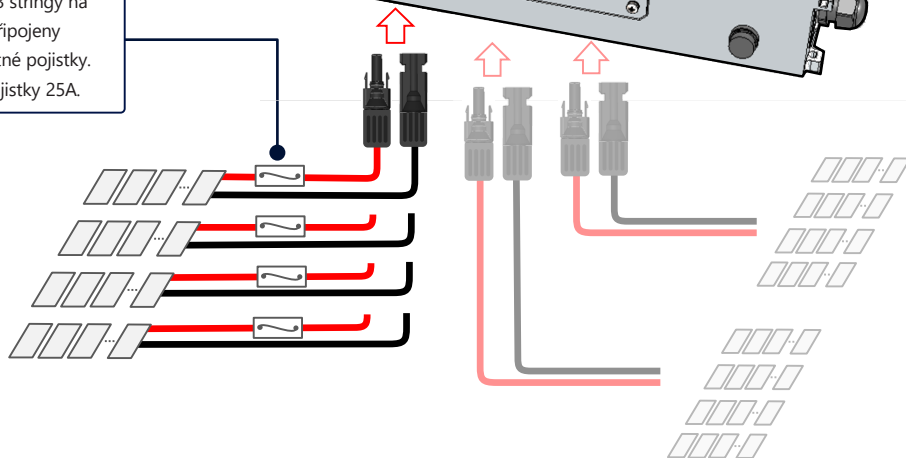
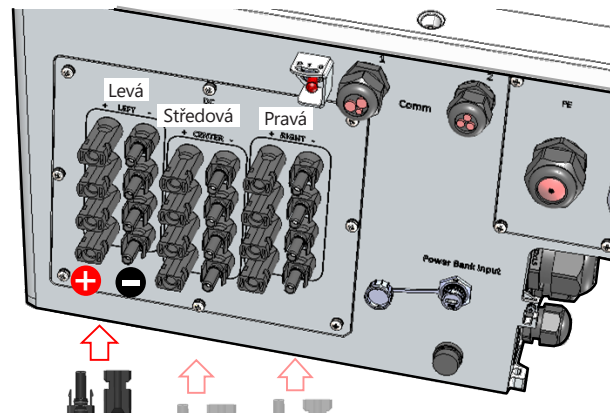
Synergické jednotky

Levá Středová Pravá



Nepoužité konektory udržujte zakryté

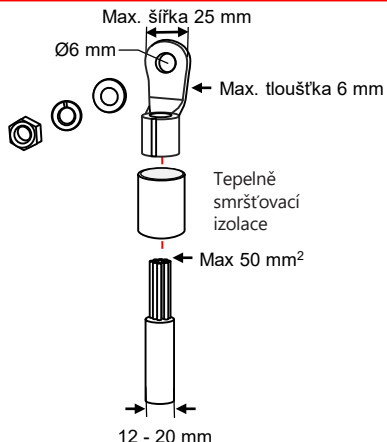
Důležité: Při instalaci systému s více než 3 stringy na jednu synergickou jednotku (ať už jsou připojeny přímo nebo přes sdružovací box) jsou nutné pojistky. V systému SolarEdge musí být použity pojistky 25A.



Připojení FV stringů jedním DC vstupem

⚠ UPOZORNĚNÍ!

- U hliníkových drátů POUŽÍVEJTE POUZE bimetallická oka
- U měděných drátů POUŽÍVEJTE POUZE měděná pocínovaná oka

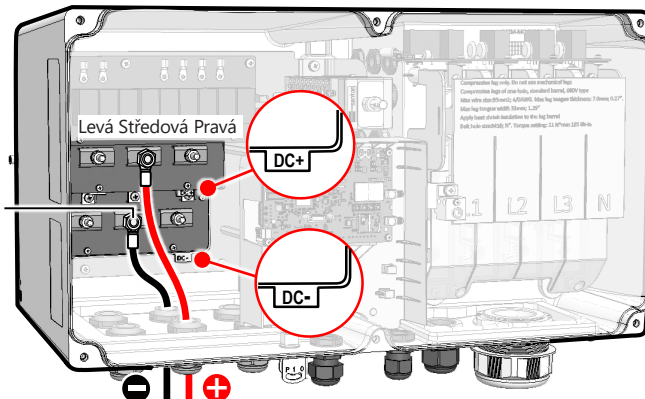


Synergické jednotky

Levá Středová Pravá

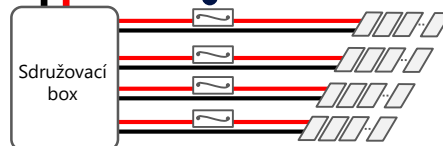


5.7 N*m



Důležité: Při instalaci systému s více než 3 stringy na jednu synergickou jednotku (ať už jsou připojeny přímo nebo přes sdružovací box) jsou nutné pojistky. V systému SolarEdge musí být použity pojistky 25A.

Funkční elektrické uzemnění záporného nebo kladného pólu na straně DC je zakázáno, protože měnič nemá žádný transformátor. Uzemnění rámu panelů a montážního příslušenství panelů FVS je přijatelné

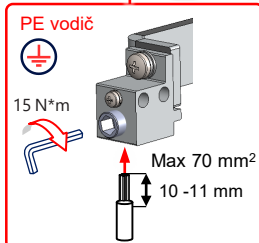
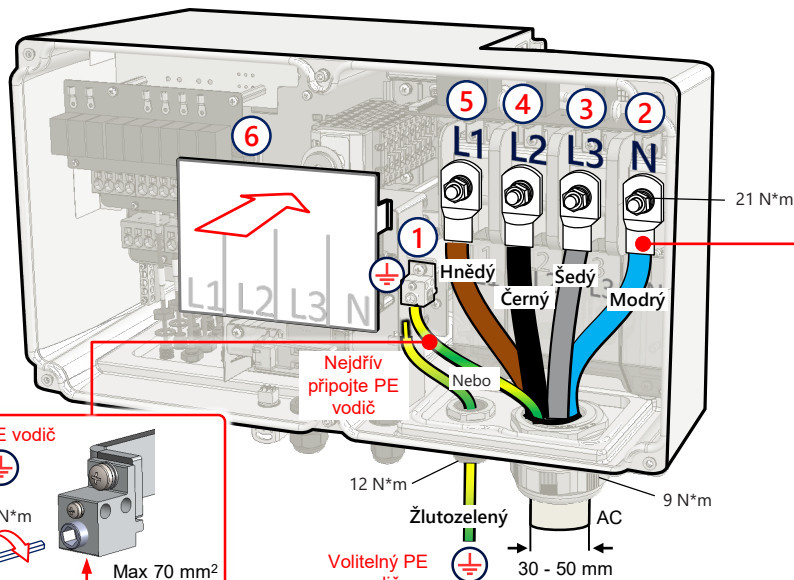


9

Připojení AC a ochranného uzemnění (PE)

☐ Měníč umožňuje připojení 4 vodičů + PE nebo 3 vodičů + PE

☐ Nadproudová ochrana AC výstupu musí být zajištěna jinak, další pokyny v návodu

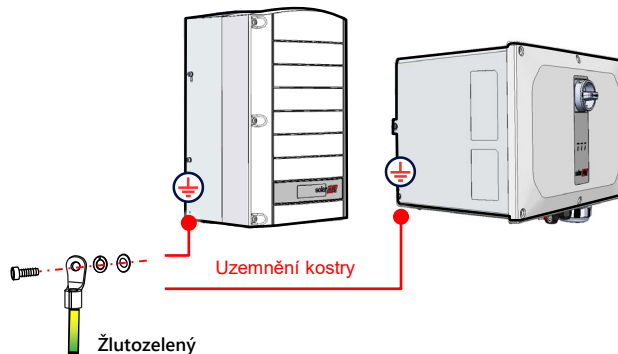
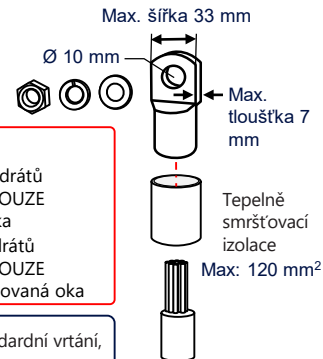


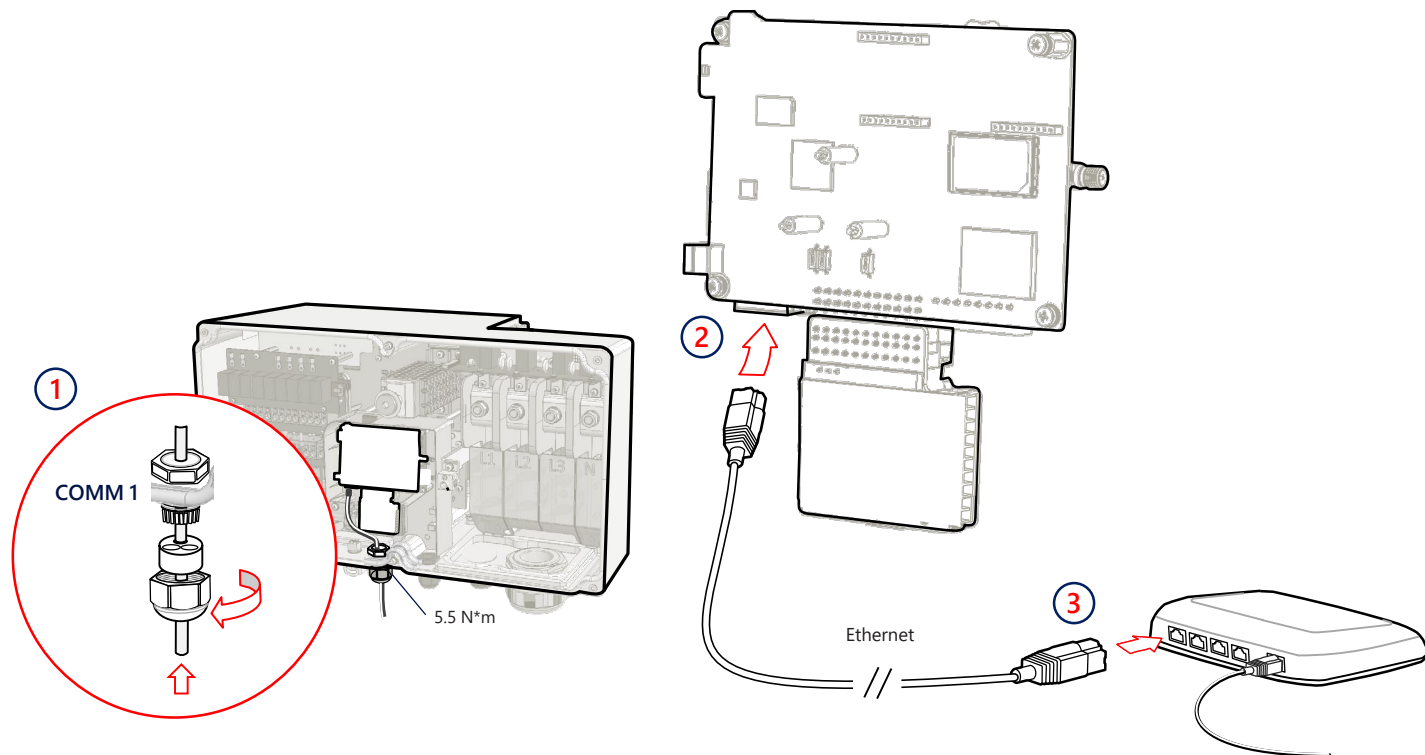
☐ Při použití krouceného vodiče posoudí použití kontaktního kroužku instalátor

⚠ UPOZORNĚNÍ!

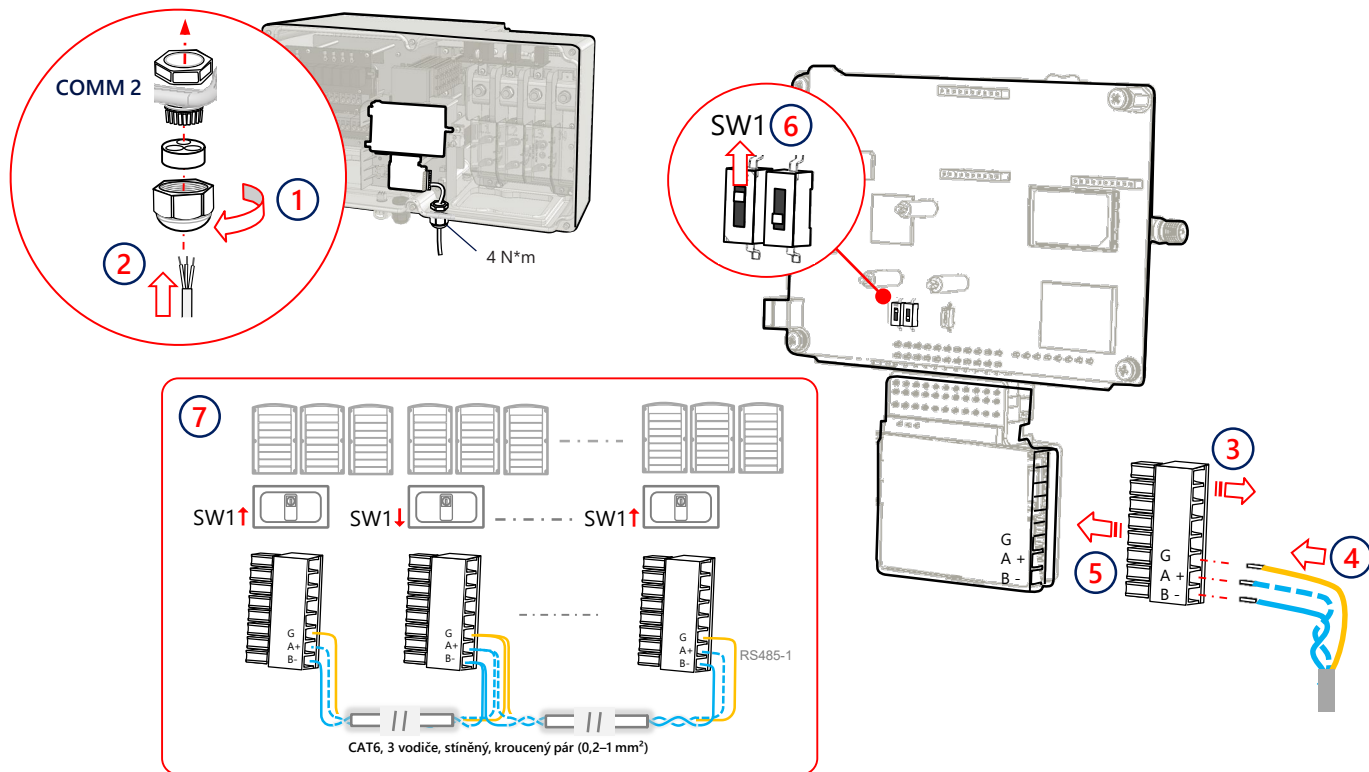
- U hliníkových drátů POUŽÍVEJTE POUZE bimetalická oka
- U měděných drátů POUŽÍVEJTE POUZE měděná pocínovaná oka

☐ Jeden otvor, standardní vrtání, pouze kompresní kabelová oka, 600 V



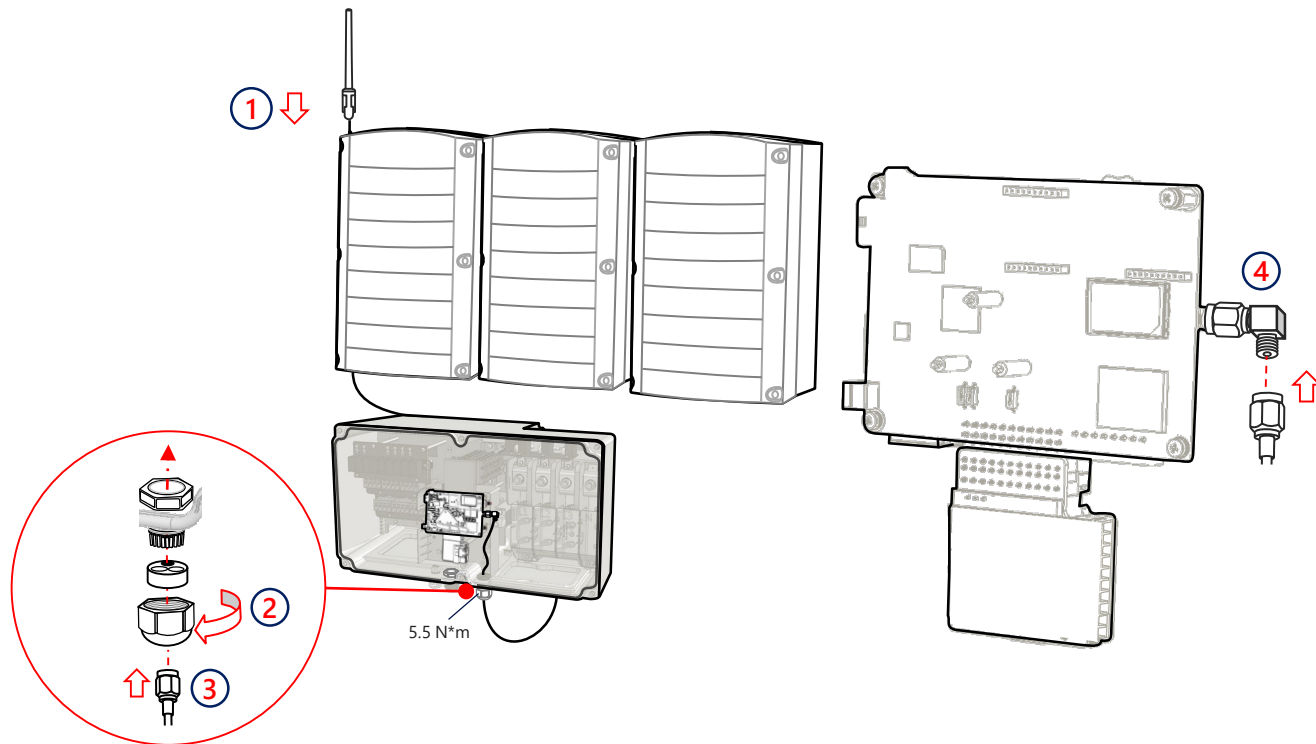


11 RS485 připojení několika měničů



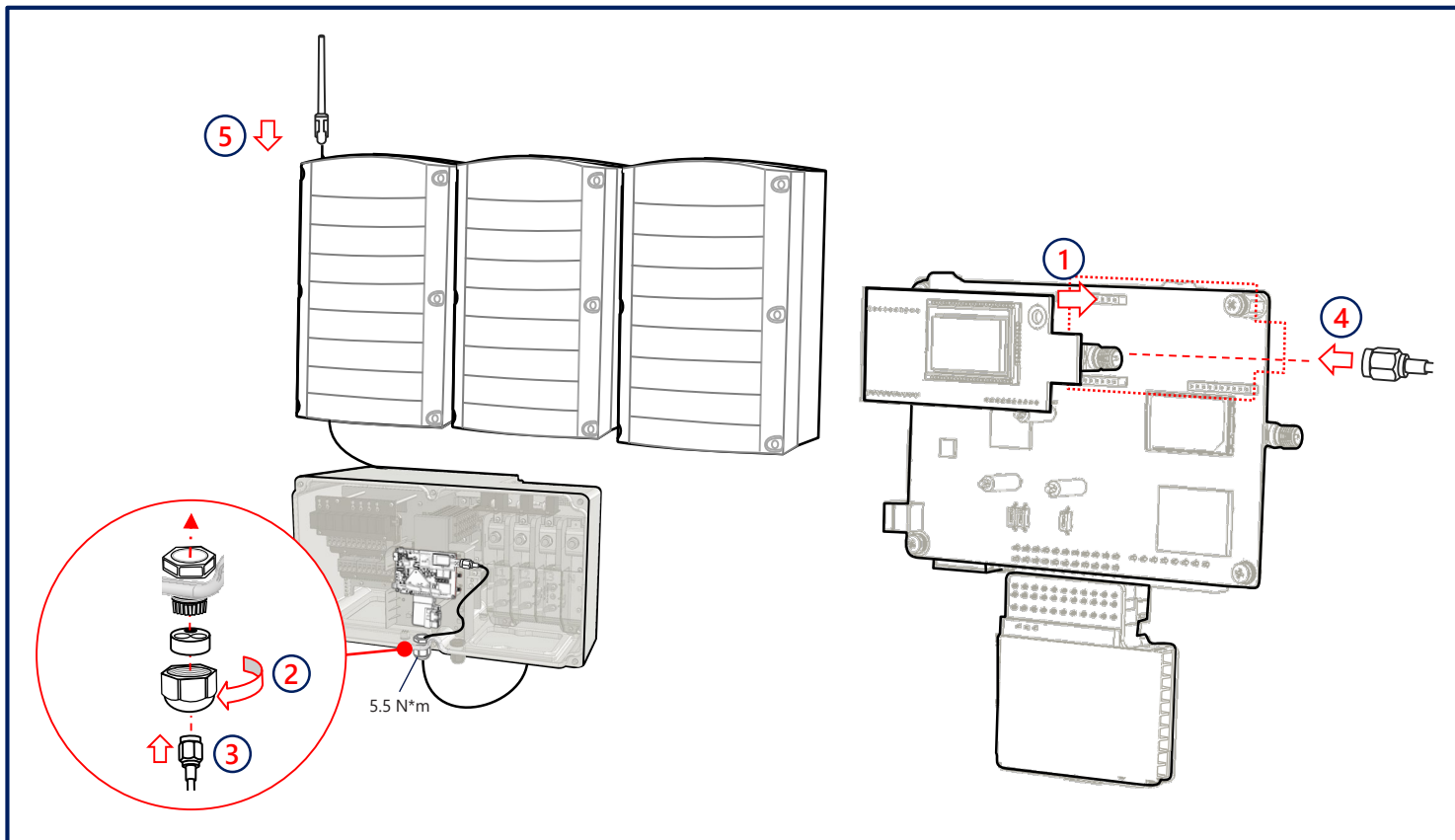
Připojení Wi-Fi komunikace (volitelné)

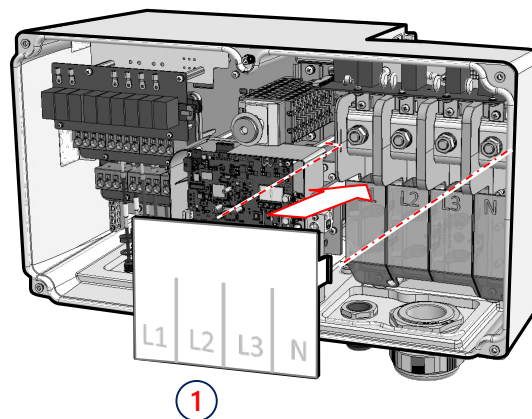
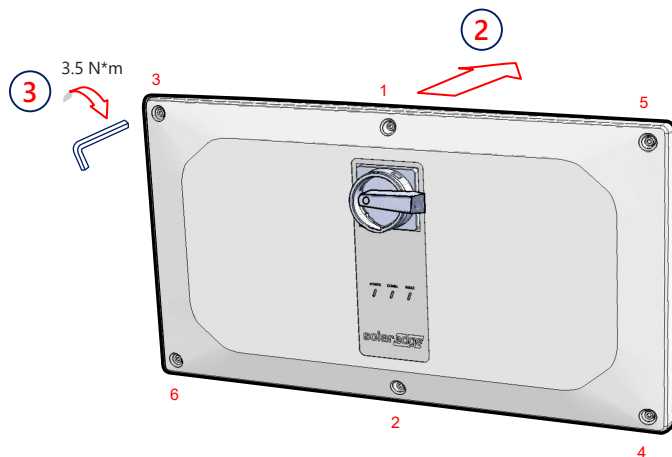
12



13

Připojení k mobilní síti (volitelné)





Předběžné uvedení do provozu bez připojení k AC (možnost 1)

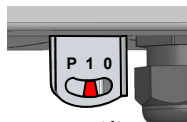
1

Stáhněte si SolarEdge SetApp



2

Zapněte (1) DC
vypínač

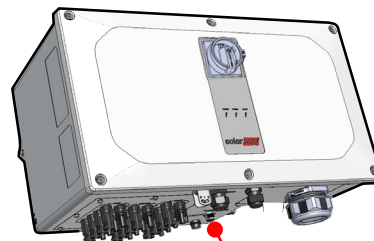


ON (1)



3

Připojte power banku



Power banka: 60 W na
výstupním portu, USB-
C Power Delivery (PD):
20 V 3 A
(není součástí dodávky)



Zakryjte konektor,
pokud se nepoužívá

4

Spusťte SetApp a řiďte se
pokyny



1 metr, samec-samec, USB-C (není součástí dodávky)

Uvedení do provozu s DC a AC napájením (možnost 2)

16

1

Stáhněte si SolarEdge SetApp



2

Zapněte napájení

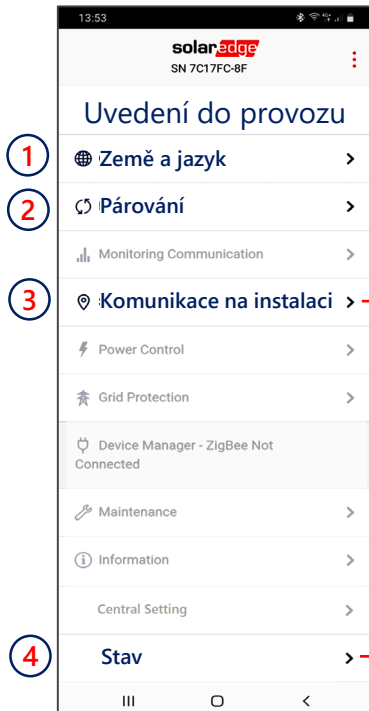
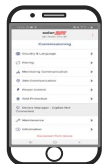


3

Spust'te SetApp a řiďte se pokyny



Uvedení primárního měniče do provozu



RS485-1 → Protokol → SolarEdge → **Primární (Leader)**
 RS485-1 → **Sekundární (Follower) Detekovat**

Instalace		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Měnič		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Jednotky měniče		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 Of 47	P_OK 47 Of 47	P_OK 47 Of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

VÝKON	KOM	CHYBA	
Zelená	Modrá	Červená	
			System vyrábí elektřinu
			AC strana je připojena, ale systém nevyrábí elektřinu
			Měnič komunikuje s monitorovací platformou
			Systemová chyba



Kontakt na technickou podporu

V případě technických potíží s produkty
SolarEdge nás prosím kontaktujte
prostřednictvím:

<https://www.solaredge.com/service/support>

Změny vyhrazeny bez předchozího
upozornění. Copyright © SolarEdge Inc.
Všechna práva vyhrazena. Březen 2021.



Sinerji Teknolojili Üç Fazlı İnvertör

Hızlı Kurulum Kılavuzu

PN: SExxK-xxxxlxxxx

Avrupa, Asya Pasifik
ve Güney Afrika için

Sürüm 1.3

Açıklama

NOT

Bu sembol, kullanıcının ürünü en iyi şekilde kullanmasına yardımcı olmayı amaçlayan bilgileri belirtir.



Bu sembol, SolarEdge kılavuzları ve ekipmanı üzerindeki topraklama noktalarında görünür.

DİKKAT!

Bir tehlikeyi belirtir. Doğru şekilde yapılmaması veya uygulanmaması durumunda ürünün zarar görmesine veya tahrip olmasına neden olabilecek bir işleme dikkat çeker. Belirtilen koşullar tam olarak anlaşılıp karşılanana dek bir uyarı işaretinin ötesine geçmeyin.



Ana panodaki AC şalteri AÇIN/KAPATIN ve 5 dakika bekleyin

UYARI!

Bir tehlikeyi belirtir. Doğru şekilde yapılmaması veya uygulanmaması durumunda yaralanma veya ölümlle sonuçlanabilecek bir işleme dikkat çeker. Belirtilen şartlar tam olarak anlaşılıp karşılanana dek bir uyarı notunun ötesine geçmeyin.



Sinerji Manager üzerindeki DC Güvenlik Şalterini AÇIN/KAPATIN ve 5 dakika bekleyin (Sadece DC Güvenlik Şalterli modeller için geçerlidir)



Kablo konnektörlerini kesmeyin

BU TALİMATLARI SAKLAYIN – Bu kılavuz, Üç Fazlı İnvertörün kurulum ve bakımı sırasında izlenmesi gereken önemli talimatları içerir. Bu ekipmanın SolarEdge tarafından sağlanan bu dökümanda belirtilmeyen bir şekilde kullanılması, bu ekipmanın sağladığı korumayı bozabilir.

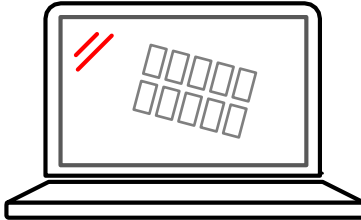
Optimizelerinin Montajı

1

1 → 2 → 3 → 4 → 5 → 6

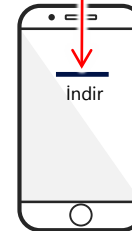
1

Dizeyi tasarlamak için
SolarEdge Designer kullanın
<https://designer.solaredge.com>



2

Dize optimizeleri eşleştirmek
için SolarEdge Mapper'ı indirin

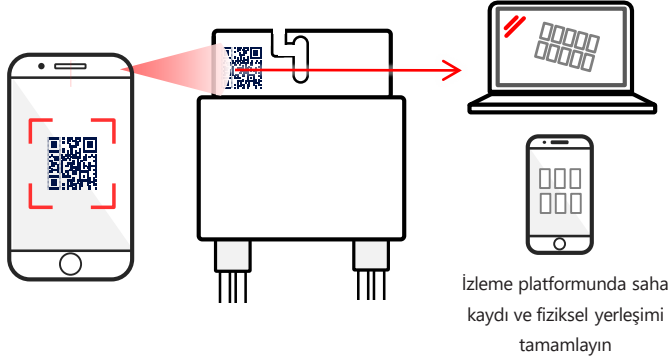


Optimizizerlerin Montajı

1 → 2 → 3 → 4 → 5 → 6

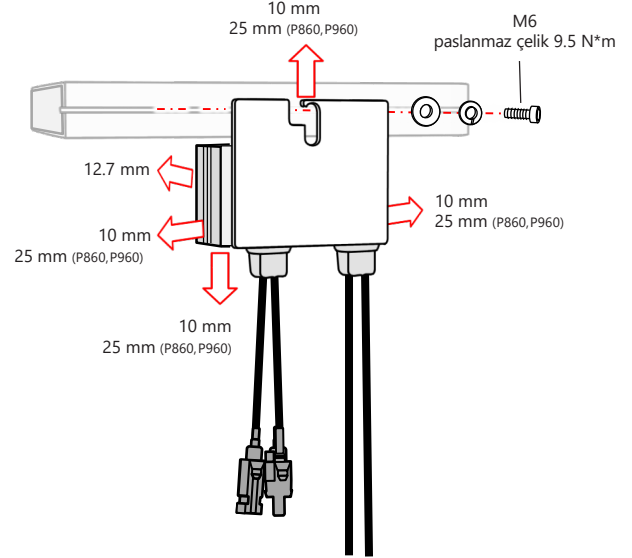
3

Mapper ile QR kodunu tarayın



4

Optimizeri kurun



Optimizizerlerin Montajı

1

① → ② → ③ → ④ → ⑤ → ⑥

⑤ Modülden gelen girişi bağlayın

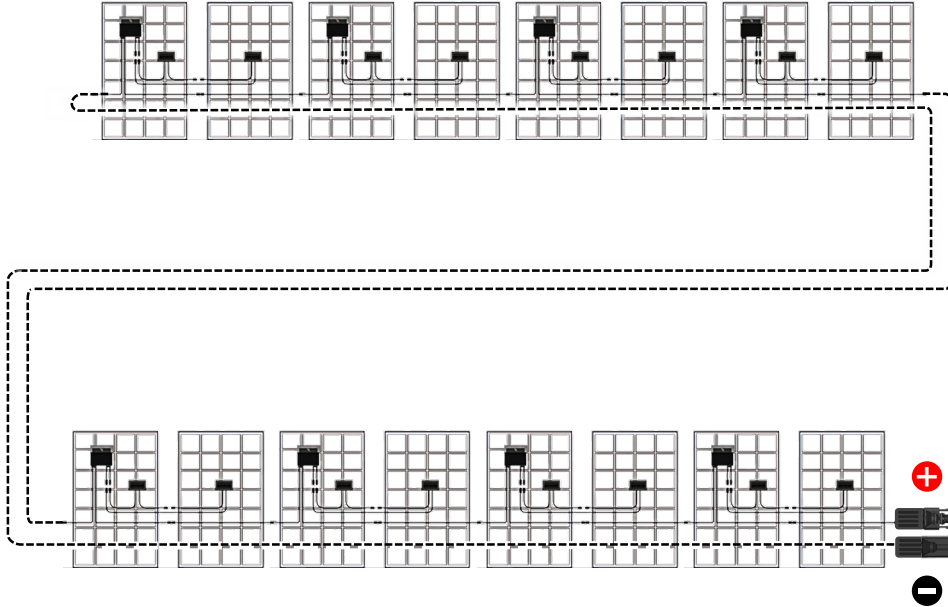
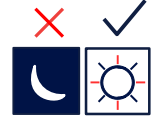
⑥ Çıkışı dizeye bağlayın

2:1 seri bağlantı

iki PV'nin paralel bağlantısı için çift girişli bir optimizör (P800p) kullanın veya iki PV'yi tek girişli bir optimizere bağlamak için bir ayrık kablo kullanın.

2

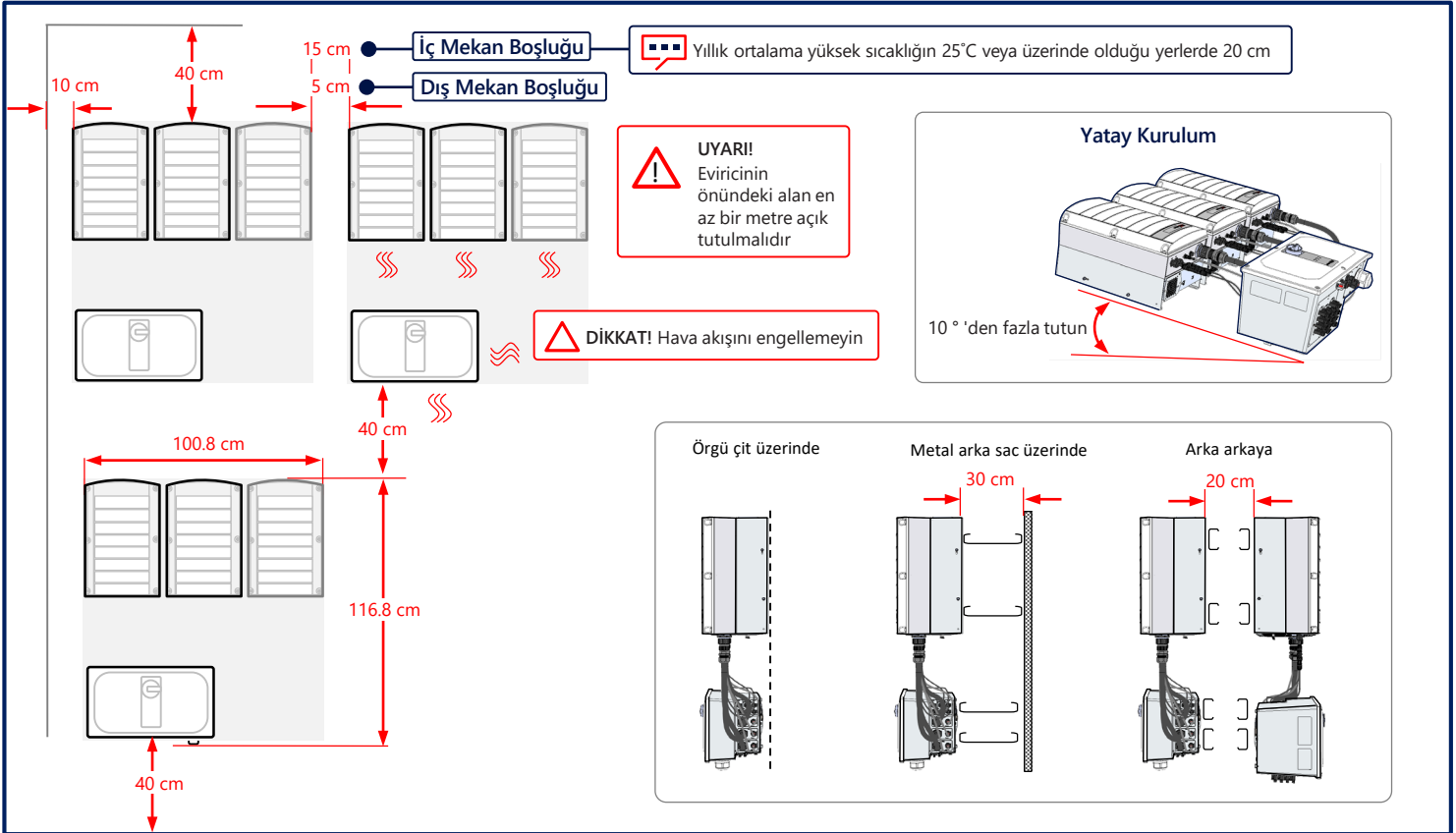
PV Dizisinin Bağlanması



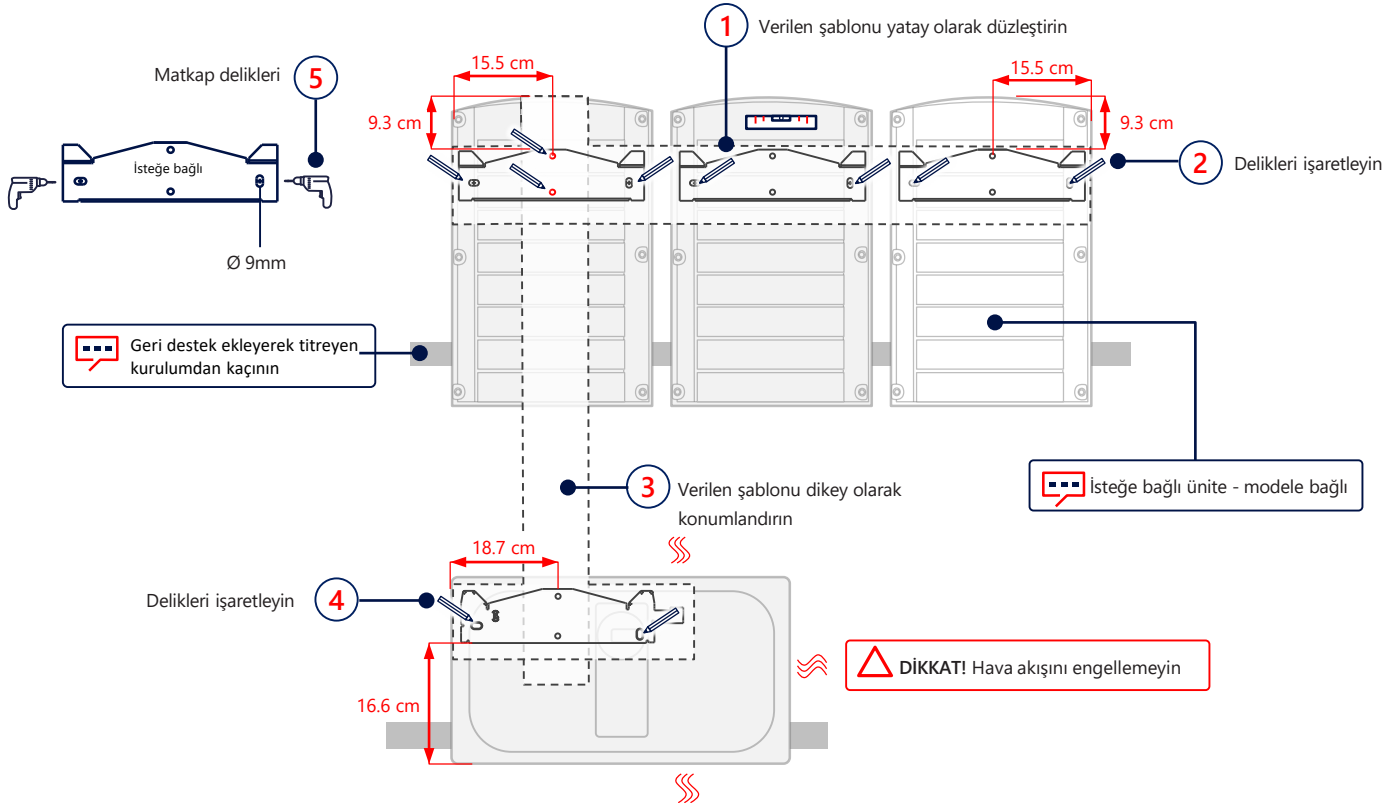
❗ Dizi polaritesini kontrol edin.
Optimizer başına $1 \pm 0,1V$ değerini
doğrulayın.
Örnek: 8 optimizer = ~8V

Boşluğun Korunması

3

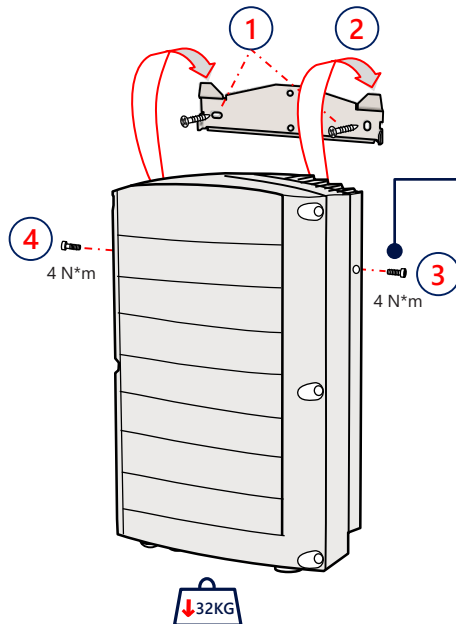
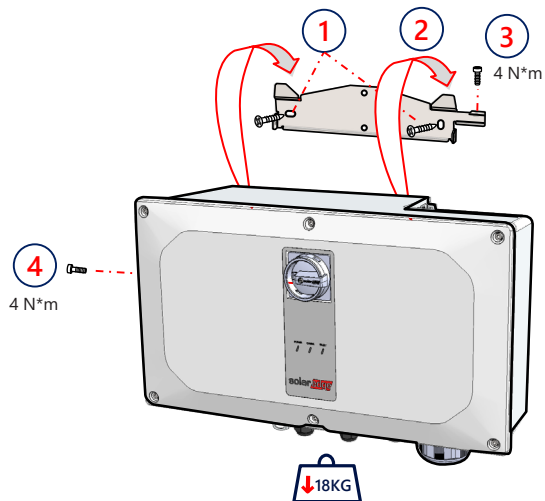


İşaretleme ve Delik Delme



Ünitelerin Montajı

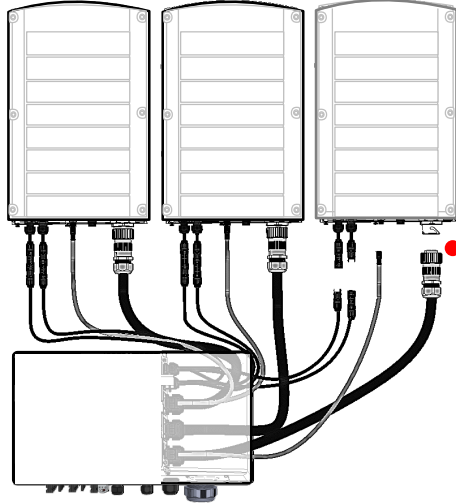
5



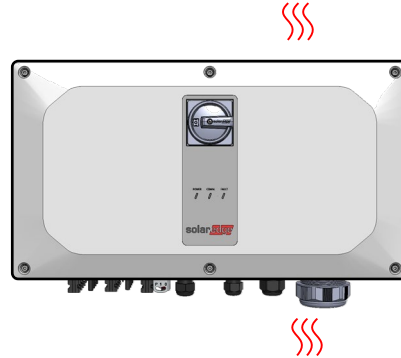
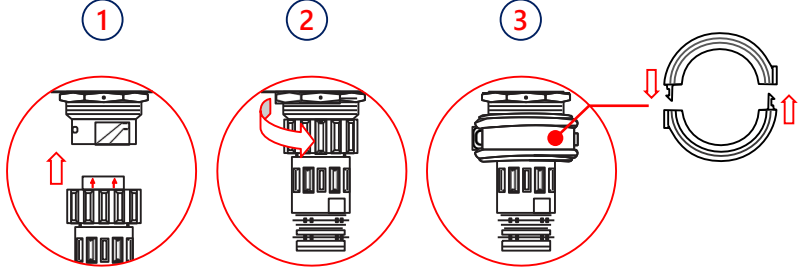
Sol veya sağ üniteler için
yalnızca dış vidayı
kullanın

6

Kabloların Bağlanması



Kabloları etiketlere göre bağlayın

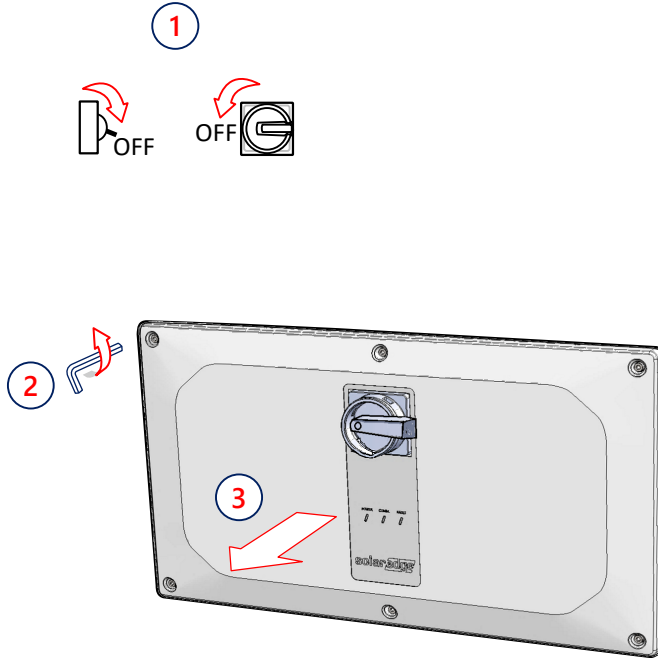


⚠ DİKKAT! Hava akışını engellemeyin

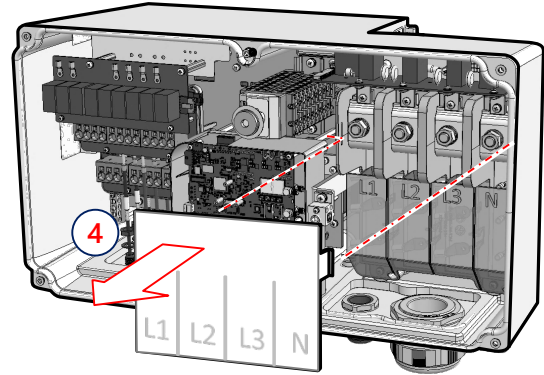


Kapakların Çıkarılması

7



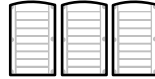
UYARI
KURULUMA BAŞLAMADAN ÖNCE ELEKTRİĞİ KESİN



PV Dizelerinin Bağlanması

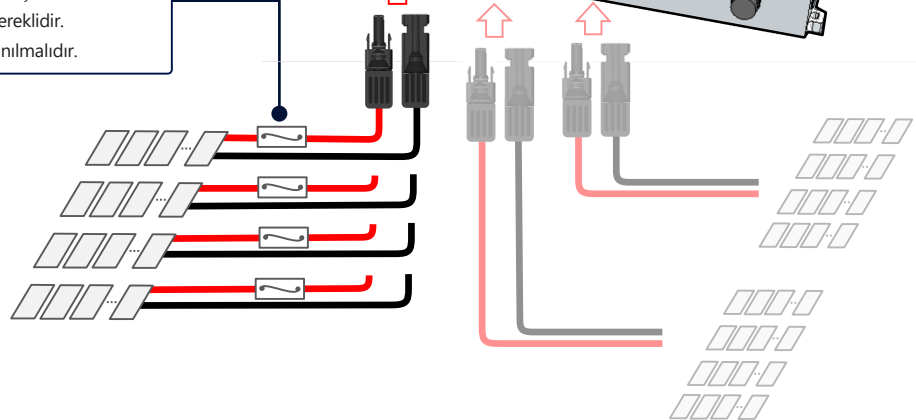
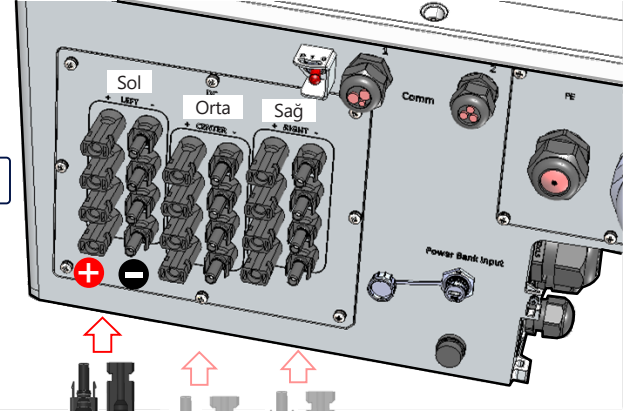
Sinerji Üniteleri

Sol Orta Sağ



Kullanılmayan konektörleri kapalı tutun

Önemli: Tek bir Sinerji Ünitesi başına 3'ten fazla diziye sahip bir sistem kurarken (doğrudan veya bir birleştirici kutusu aracılığıyla bağlanmış olsun), sigortalar gereklidir. SolarEdge'li sistemde 25A sigortalar kullanılmalıdır.

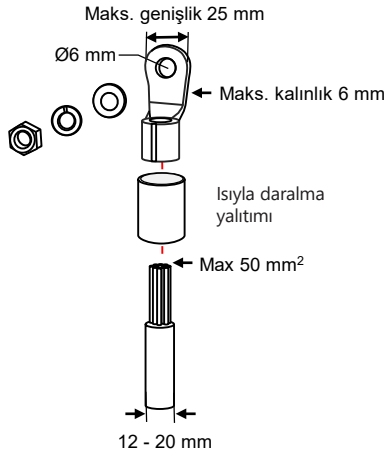


Tek DC Giriş ile PV Dizilerini Bağlama

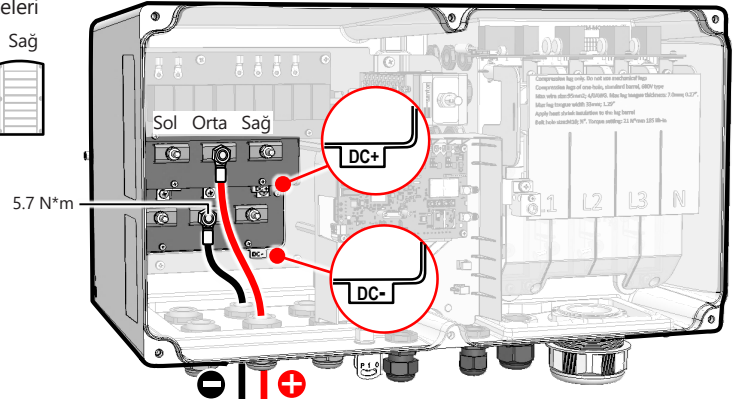
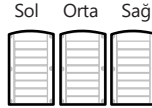


DİKKAT!

- Alüminyum kablolar için YALNIZCA Bi-metal kulakları KULLANIN
- Bakır kablolar için YALNIZCA bakır kalay kaplama kulakları KULLANIN



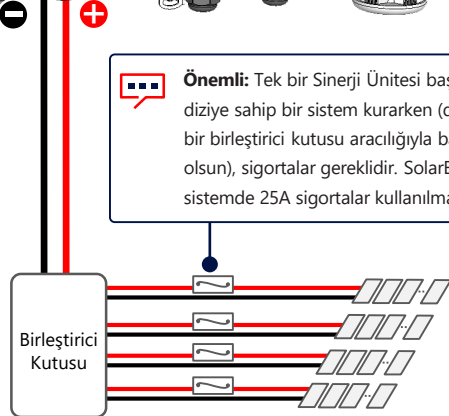
Sinerji Üniteleri



Önemli: Tek bir Sinerji Ünitesi başına 3'ten fazla diziye sahip bir sistem kurarken (doğrudan veya bir birleştirici kutusu aracılığıyla bağlanmış olsun), sigortalar gereklidir. SolarEdge'li sistemde 25A sigortalar kullanılmalıdır.



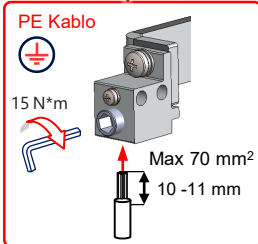
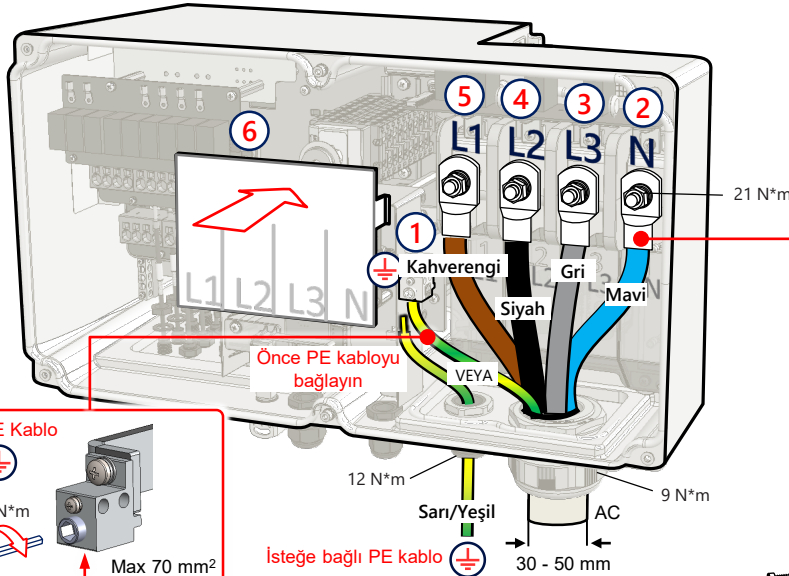
İnvertörde transformatör bulunmadığından, DC tarafındaki negatif veya pozitif kutbun işlevsel elektrik topraklaması yasaktır. Modül çerçevelerinin topraklaması (topraklama) ve PV dizisi modüllerinin montaj ekipmanı kabul edilebilir.



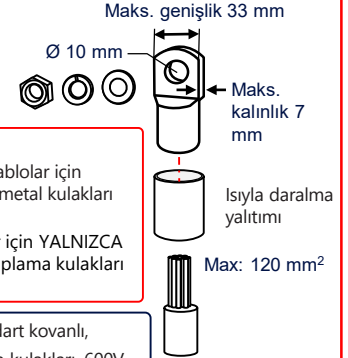
AC ve Koruyucu Toprağın Bağlanması (PE)

İnvertör, 4 kablolu + PE veya 3 kablolu + PE bağlantısını destekleyebilir

AC çıkışı için aşırı akım koruması diğer kişiler tarafından sağlanmalıdır; yardım için kılavuza göz atın



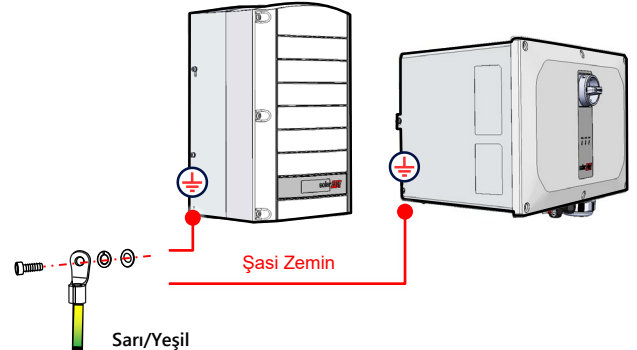
Örgülü kablo kullanımında yüksek kullanımı montaj elemanının insiyatifindedir

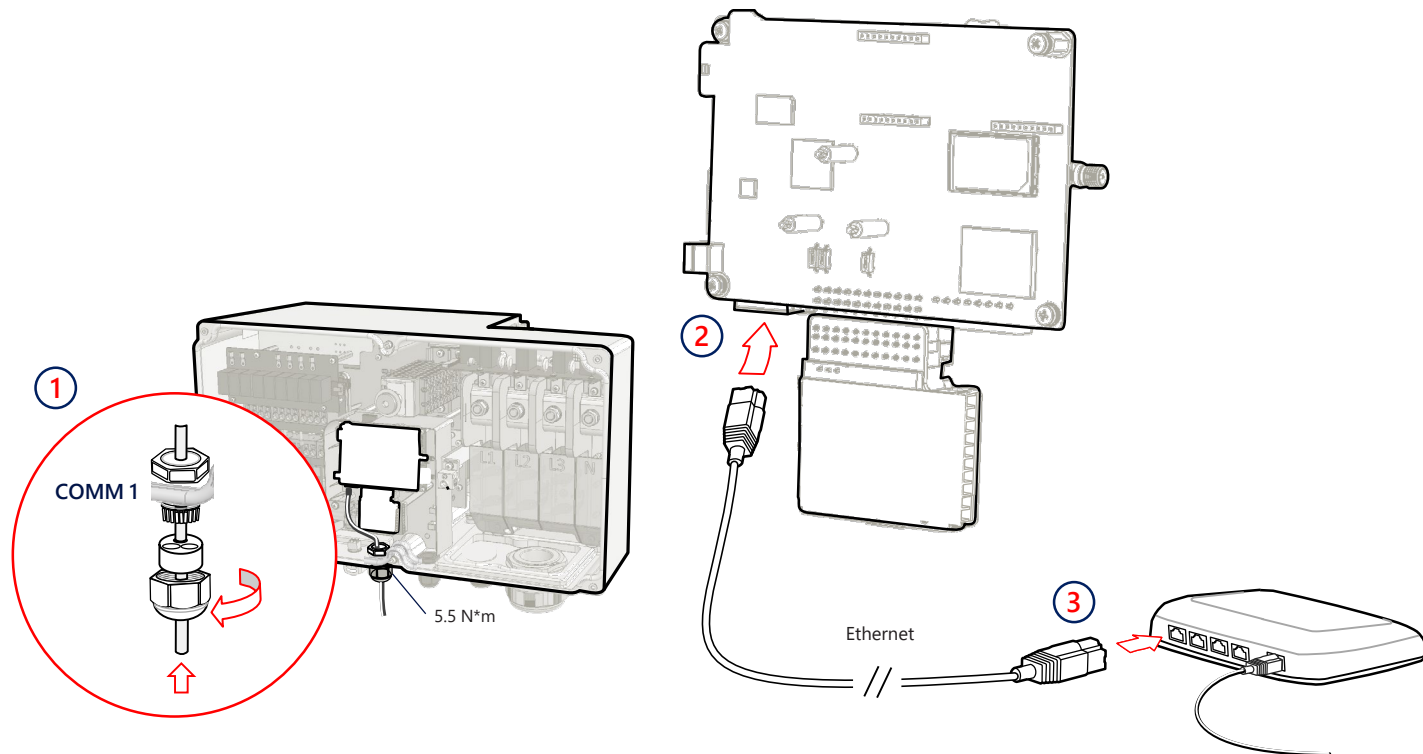


DİKKAT!

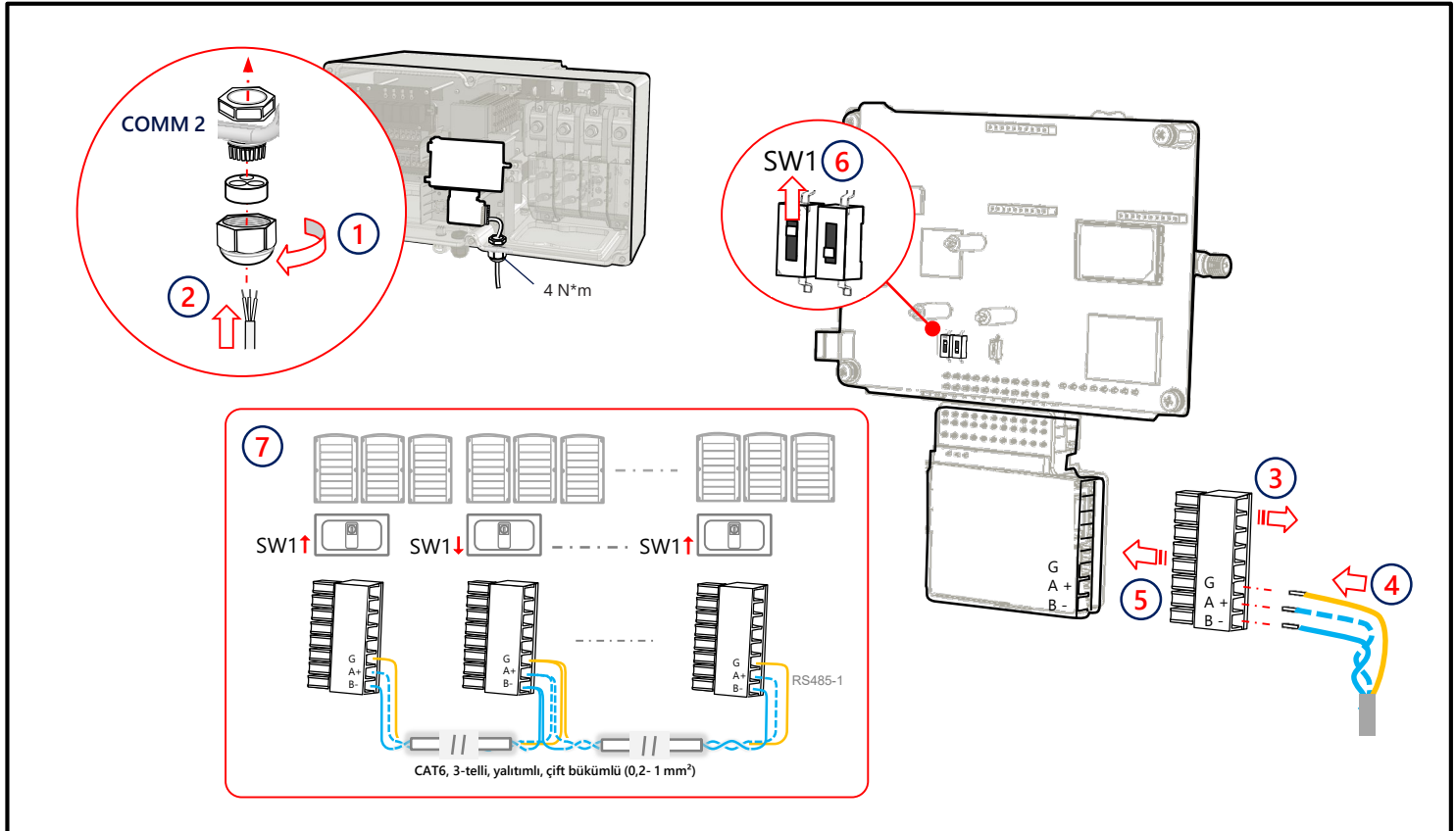
- Alüminyum kablolar için YALNIZCA Bi-metal kulakları KULLANIN
- Bakır kablolar için YALNIZCA bakır kalay kaplama kulakları KULLANIN

Tek delikli, standart kovanlı, sadece sıkıştırma kulakları, 600V



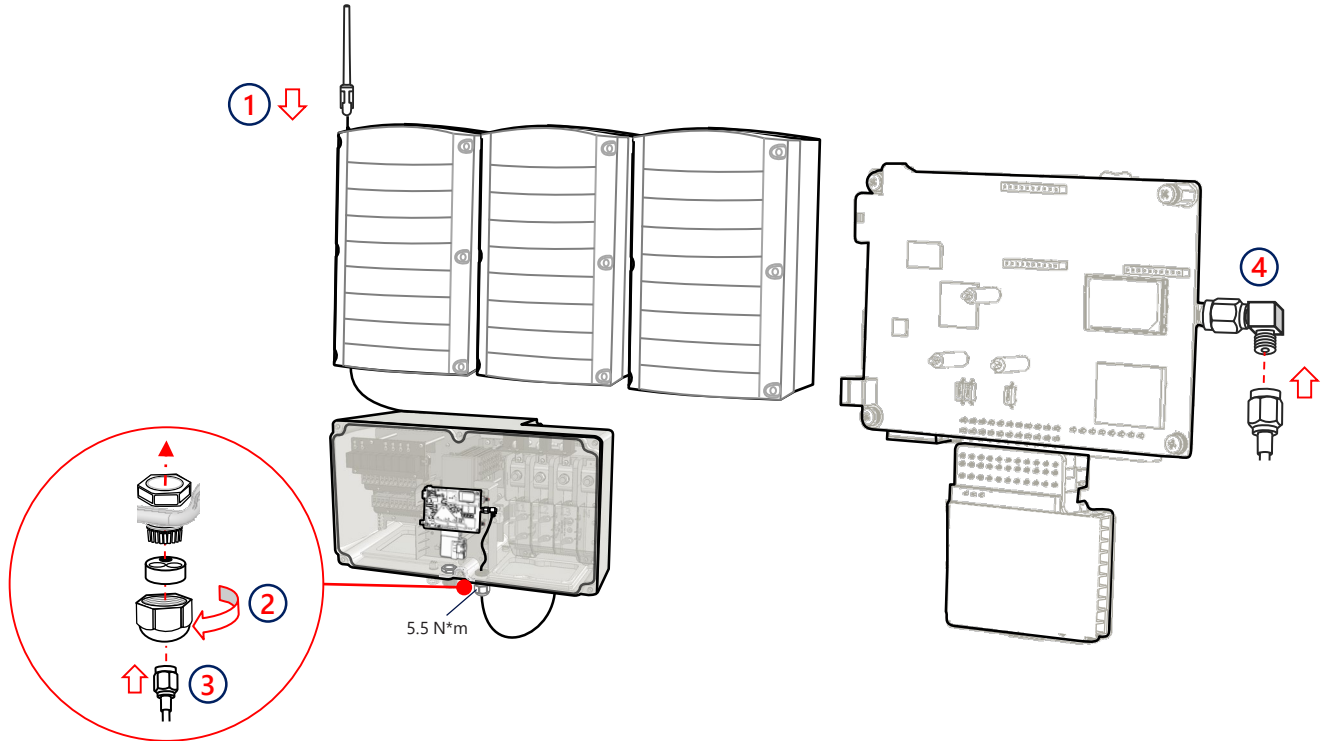


Birden Fazla İnvertörün RS485 Bağlantısı



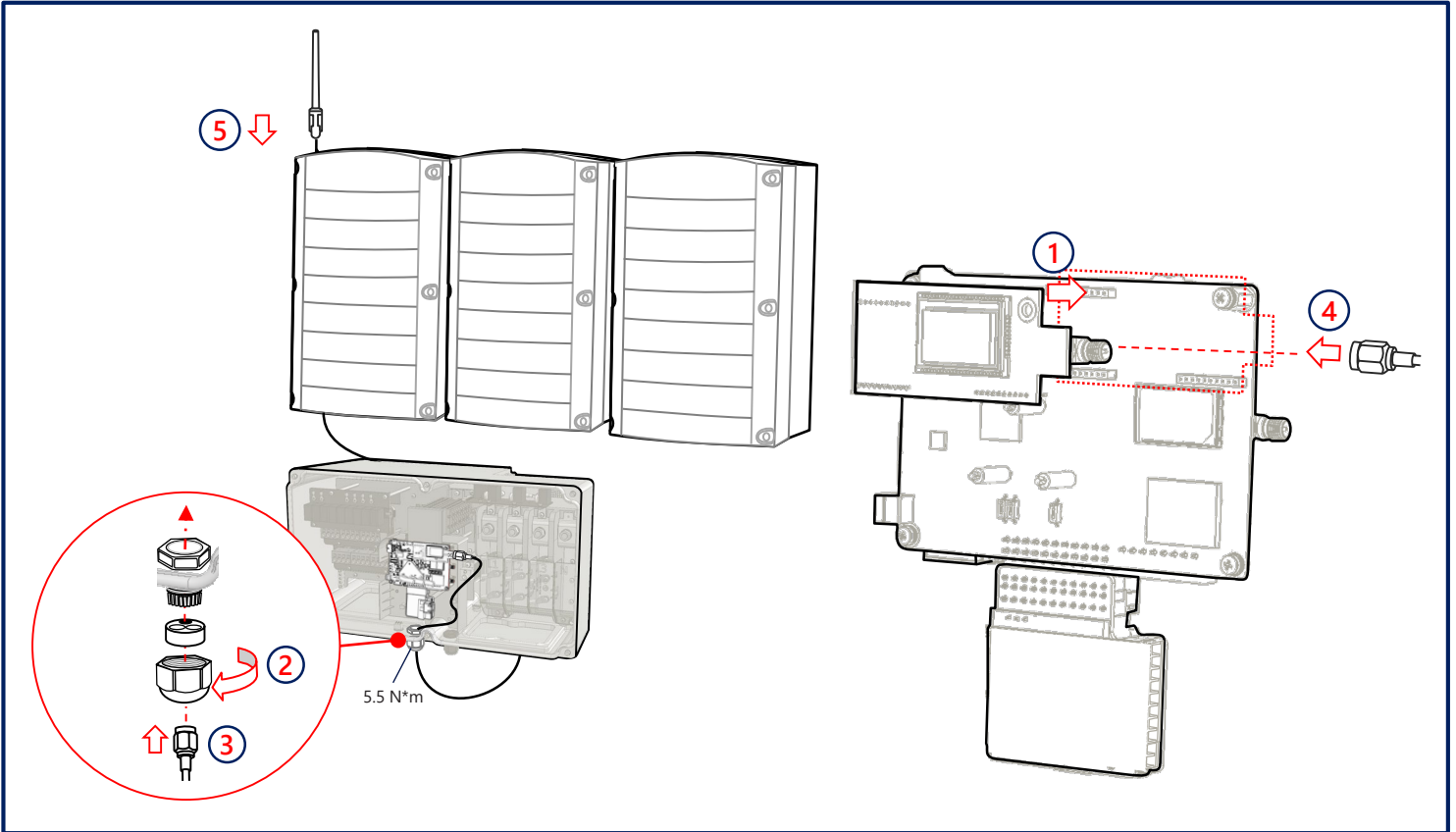
Wi-Fi İletişimi (İsteğe bağlı)

12



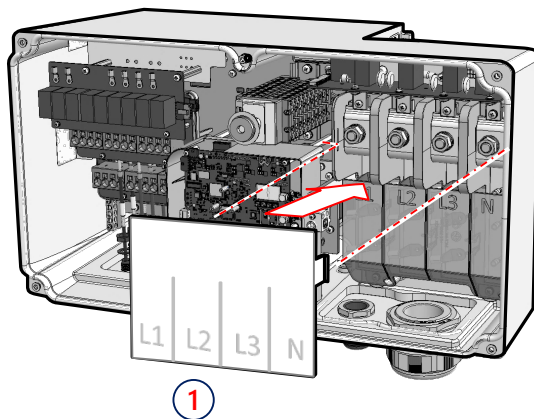
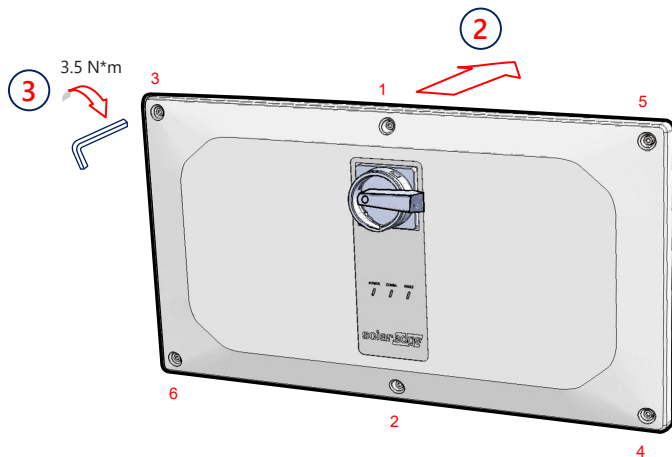
13

Hücresel İletişimin Bağlanması (İsteğe Bağlı)



Kapakların Takılması

14



15

AC Elektrik Bağlı Değilken İşletmeye Alım (Seçenek 1)

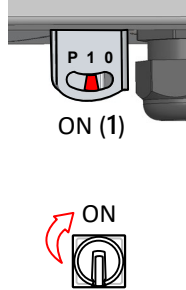
1

SolarEdge SetApp'ı indirin

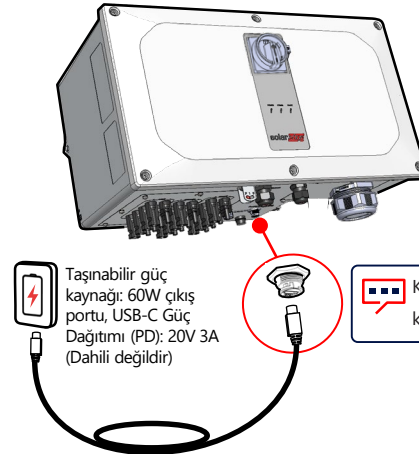


2

DC Şalterini açın



3

Taşınabilir Güç Kaynağını
bağlayın

Taşınabilir güç
kaynağı: 60W çıkış
portu, USB-C Güç
Dağıtım (PD): 20V 3A
(Dahili değildir)

1m, erkek ile erkek, USB-C (Dahili değildir)

4

SetApp'ı başlatın ve takip edin



Kapak konektörü
kullanılmadığında

DC ve AC Elektrik ile İşletmeye Alım (Seenek 2)

16

1

SolarEdge SetApp'ı indirin



2

DC Şalterini açın

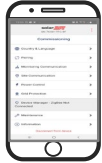


3

SetApp'ı başlatın ve takip edin



Lider Invertörü İşletmeye Alım



1

Ülke ve Dil >

2

Eşleştirme >

3

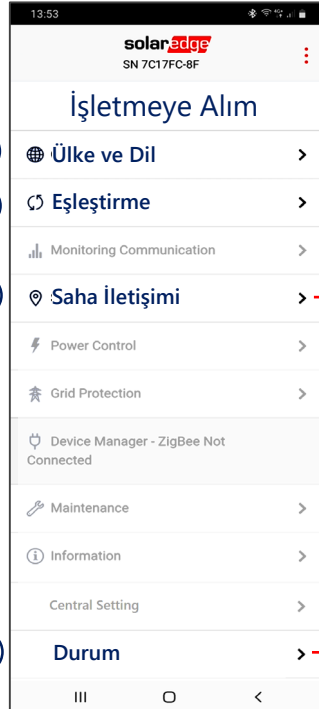
Saha İletişimi >

RS485-1 → Protokolü → SolarEdge → Solaredge Leader

RS485-1 → Takipçi Algıla

4

Durum >



Saha		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
Invertör		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

Invertör Üniteleri

Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 Of 47	P_OK 47 Of 47	P_OK 47 Of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

GÜÇ İLETİŞİM ARIZASI

Yeşil

Mavi

Kırmızı



Sistem Güç üretiyor



AC elektrik bağlı ancak sistem güç üretmiyor



İnvertör, izleme platformuyla iletişim kurmakta



Sistem hatası



Solaredge Destek İletişim:

SolarEdge ürünleri ile ilgili teknik bir problem yaşarsanız, lütfen bizimle iletişime geçin:

<https://www.solaredge.com/service/support>

Önceden haber vermeksizin değiştirilebilir.
Telif hakkı © SolarEdge Inc. Tüm hakları saklıdır. Mart 2021.



採用 Synergy 技術 的三相變流器

快速安裝指南

PN: SExxK-xxxxlxxxx

適用於歐盟、亞太及南非地區

1.3 版

圖例



注意事項

此符號表示的資訊可協助使用者以最佳方式使用產品。



注意！

表示有危險。進行程序需要多加注意，如果不能正確執行或不遵守指示，可能導致產品受損或毀壞。在完全理解並達到所指示的條件之前，請不要進行注意標誌的區段。



警告！

表示有危險。進行程序需要多加注意，如果不能正確執行或不遵守指示，可能導致受傷或致死。在完全理解並達到所指示的條件之前，請不要進行警告標誌的區段。



請不要剪下電線連接器



此符號會在 SolarEdge 手冊與裝置上出現在接地點。



打開/關閉主要電路板交流電開關，並靜候 5 分鐘



在 Synergy Manager 上打開/關閉直流電安全開關，並靜候 5 分鐘(僅適用於具直流電安全開關的型號)

請儲存這些指示 – 本指導手冊包含應在安裝與維護三相逆變器期間遵照進行的重要指示。以SolarEdge未在本文檔中指定的方式使用此設備可能會損害此設備提供的保護。

安裝功率優化器

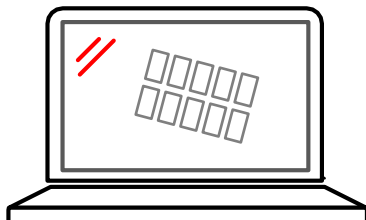
1

① → ② → ③ → ④ → ⑤ → ⑥

①

使用 SolarEdge Designer以設計
串列

<https://designer.solaredge.com>



②

下載 SolarEdge Mapper 以將串
列對應至功率優化器



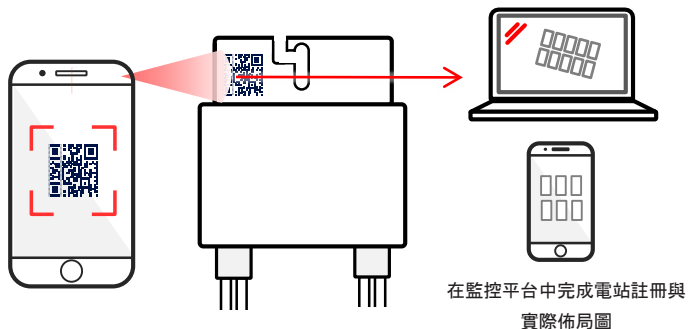
1

安裝功率優化器

① → ② → ③ → ④ → ⑤ → ⑥

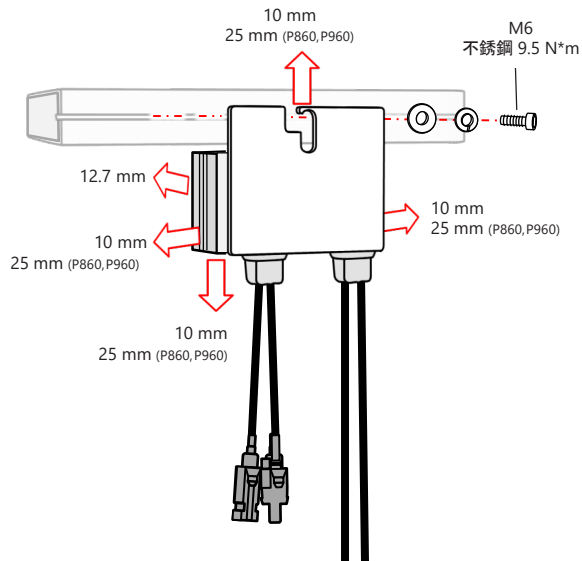
③

使用 Mapper 掃描 QR 碼



④

安裝優化器



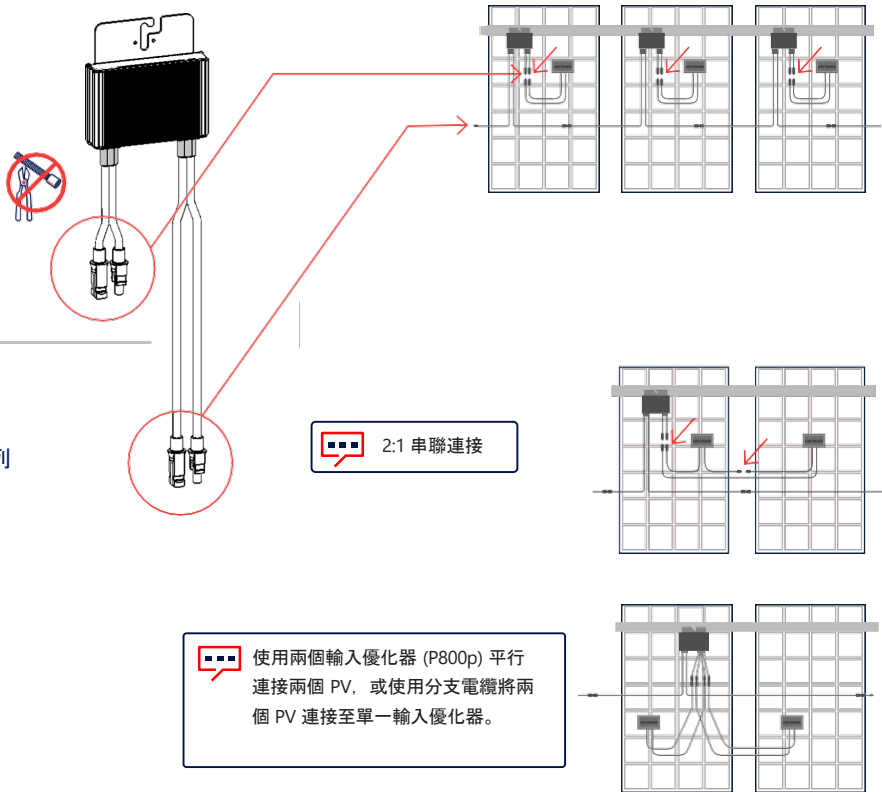
安裝功率優化器

1

① → ② → ③ → ④ → ⑤ → ⑥

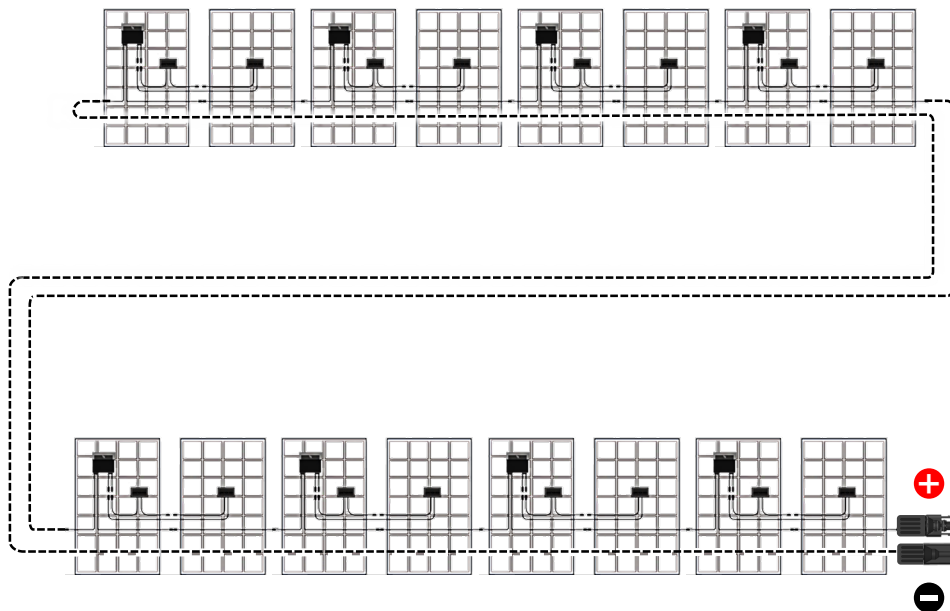
⑤ 連接來自模組的輸入

⑥ 將輸出連接至串列



2

連接 PV 陣列

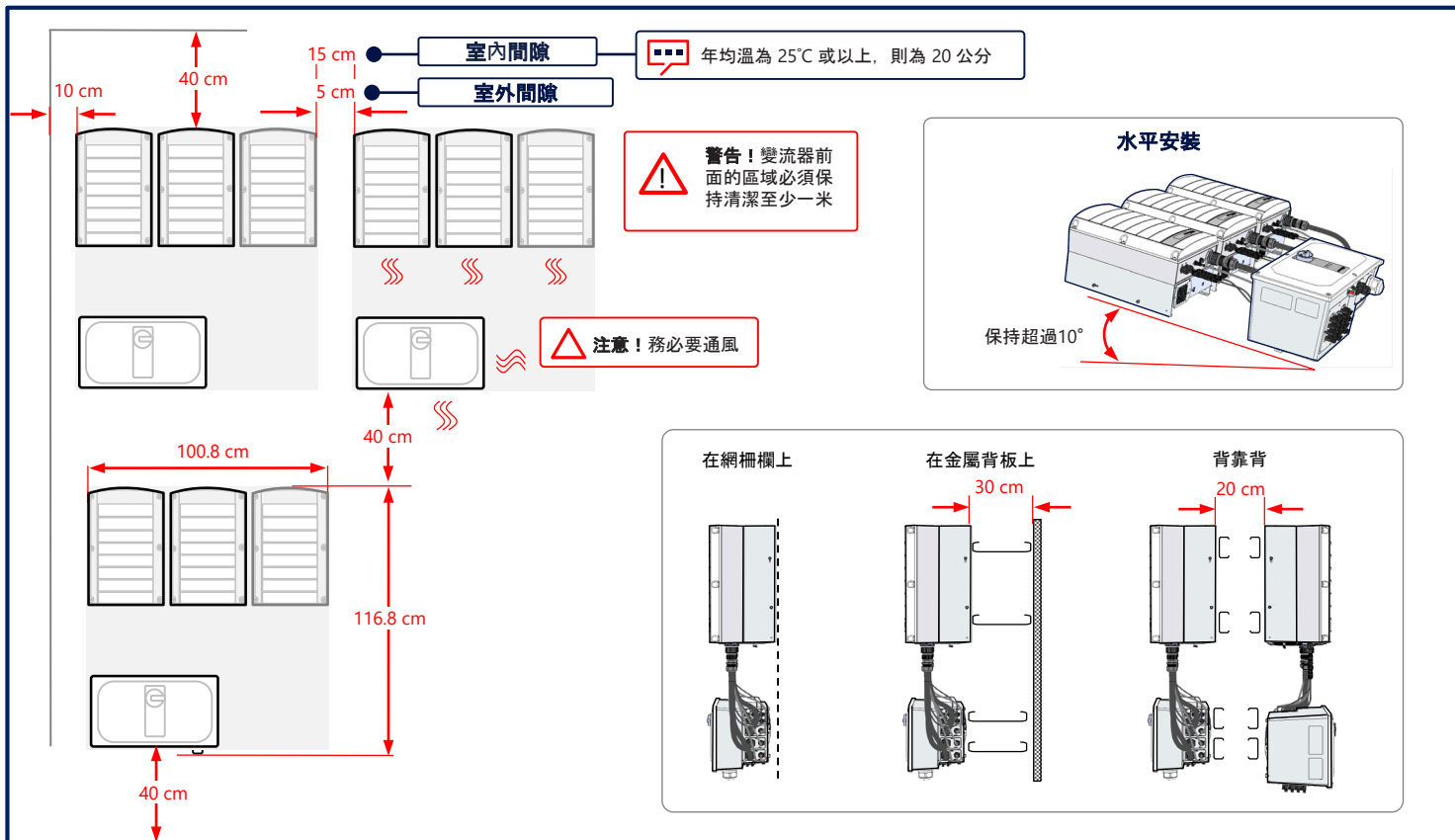


檢查陣列極性。
驗證每個優化器 $1 \pm 0.1V$
範例：8個優化器 = $\sim 8V$



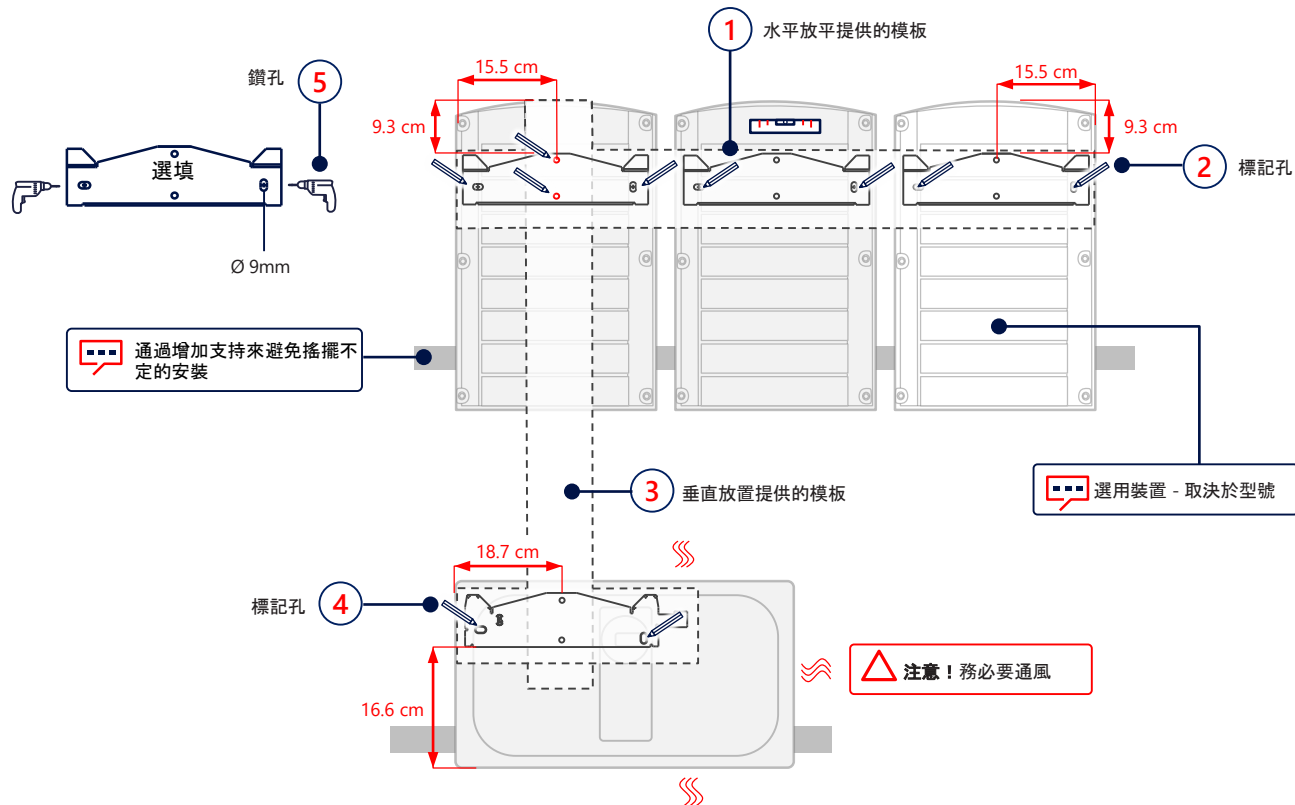
維持間隙

3



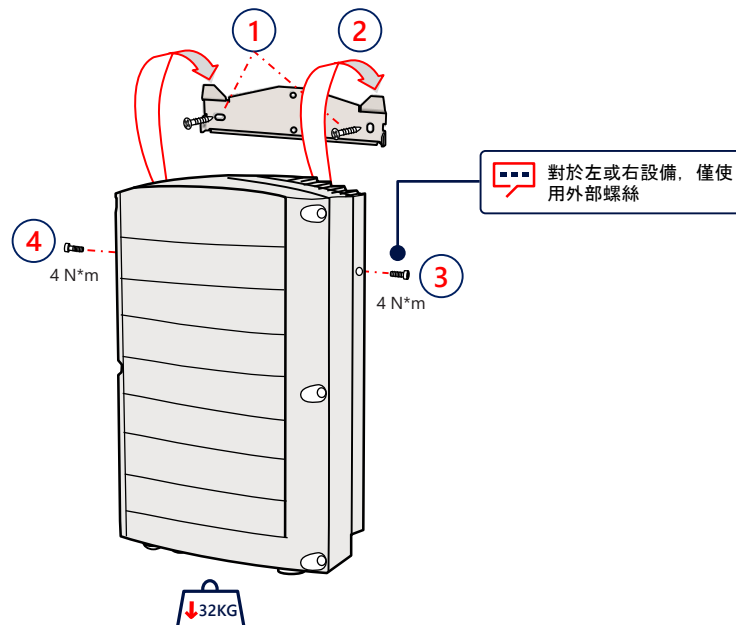
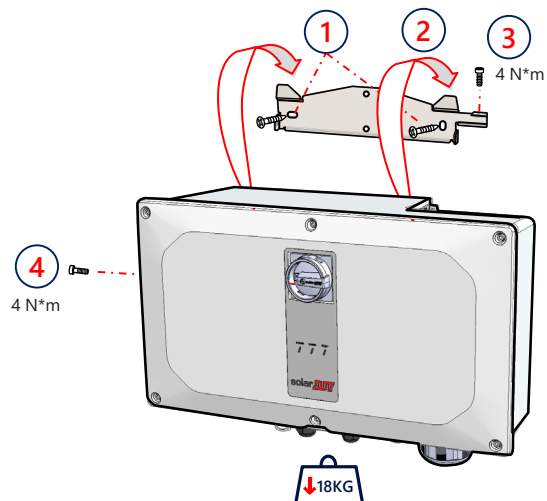
4

標記和鑽孔



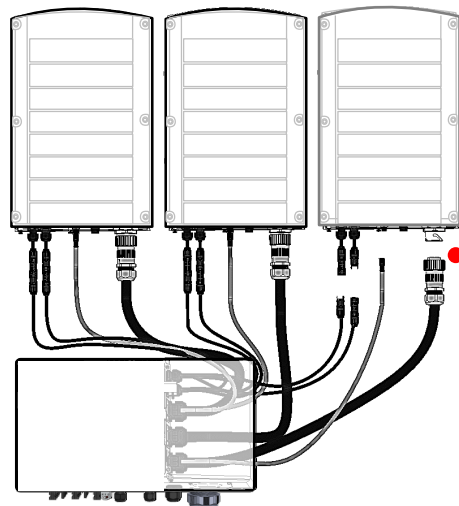
安裝裝置

5

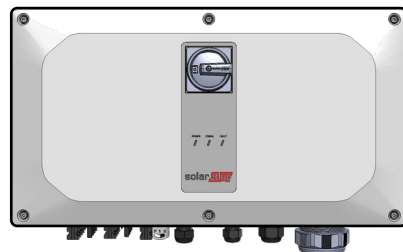
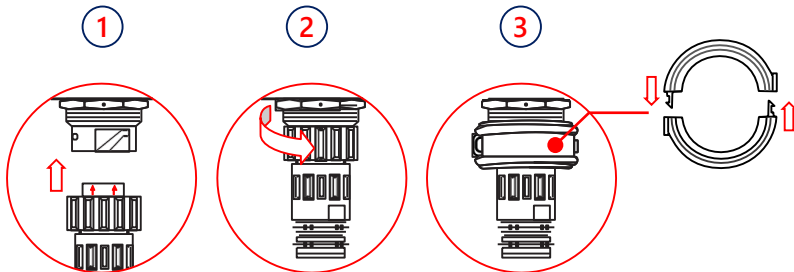


6

連接延伸電纜



根據標籤連接電纜

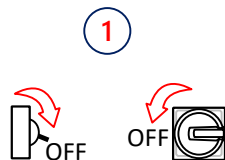


注意！務必要通風



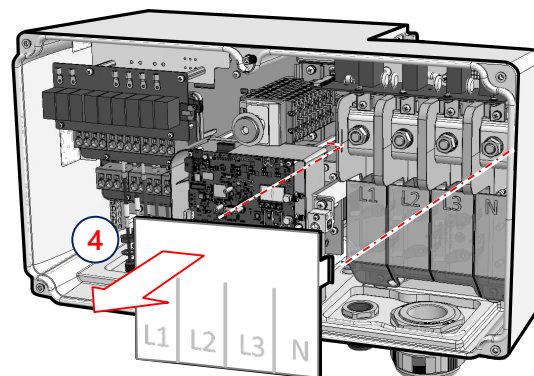
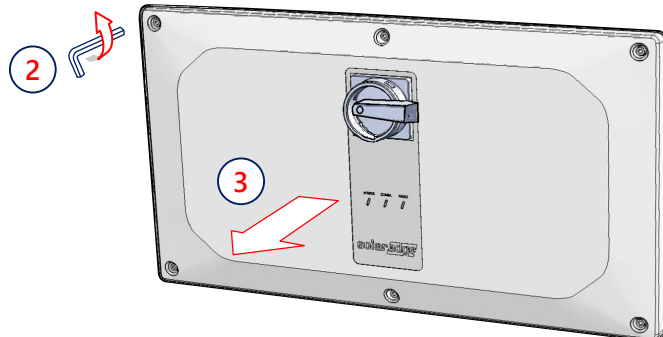
移除蓋子

7



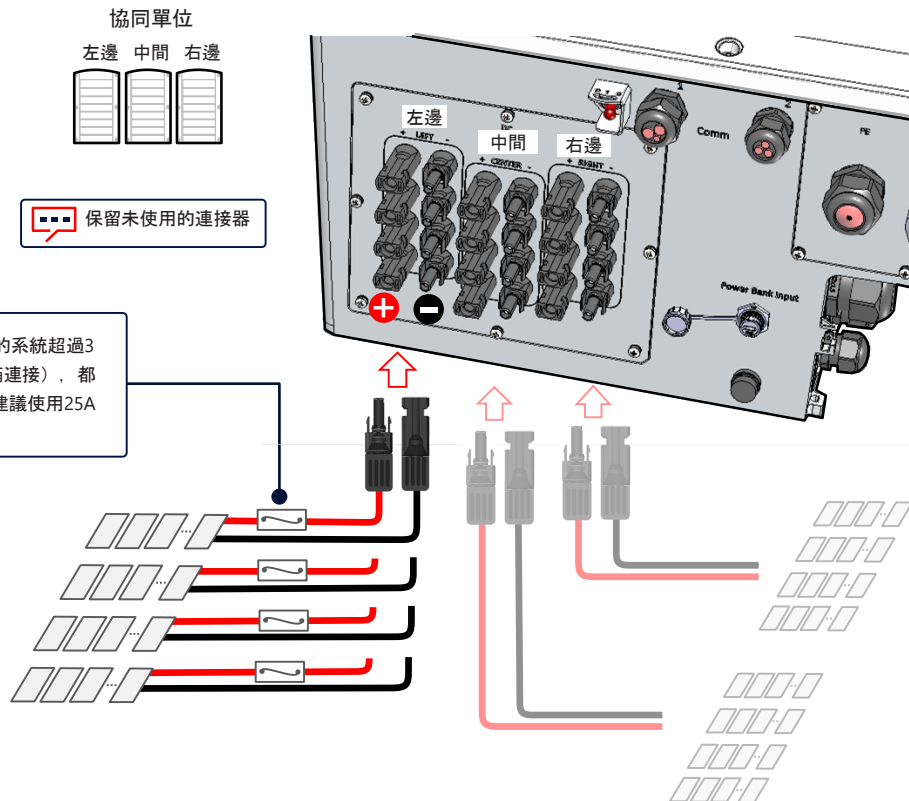
警告

開始安裝之前，請中斷電源



8

連接 PV 串列



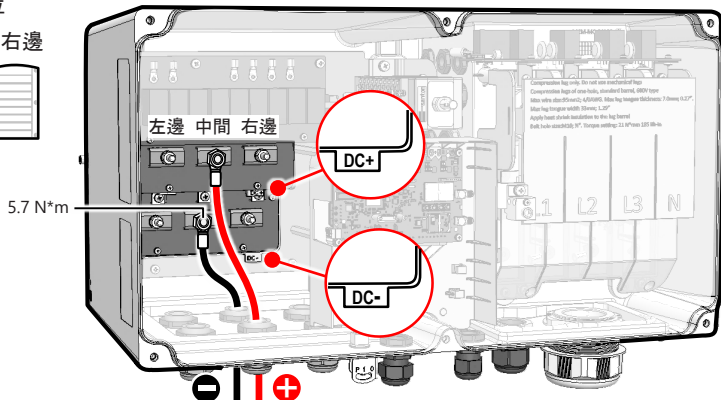
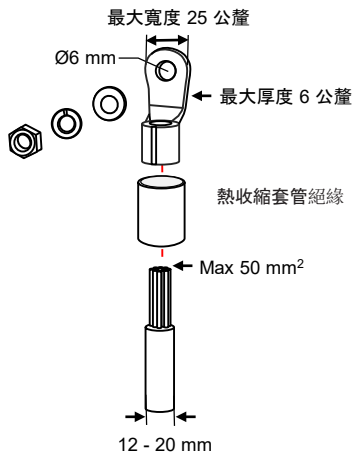
通過單個DC輸入連接PV串

8



注意！！

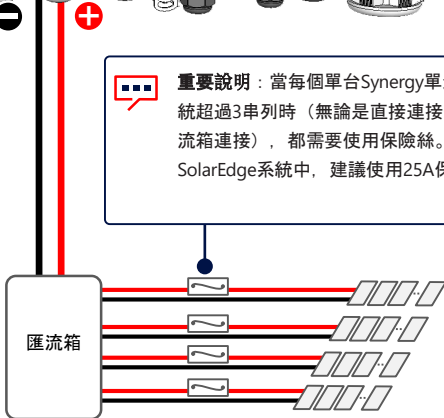
- 若為鋁線，只限使用雙金屬端子
- 若為銅線，只限使用鍍錫銅端子



重要說明：當每個單台Synergy單元安裝的系統超過3串列時（無論是直接連接還是通過匯流箱連接），都需要使用保險絲。在SolarEdge系統中，建議使用25A保險絲。



禁止將直流側負極或正極功能性接地，因為變流器沒有變壓器。可以將模塊框架和光電陣列模塊的安裝設備接地（接地）

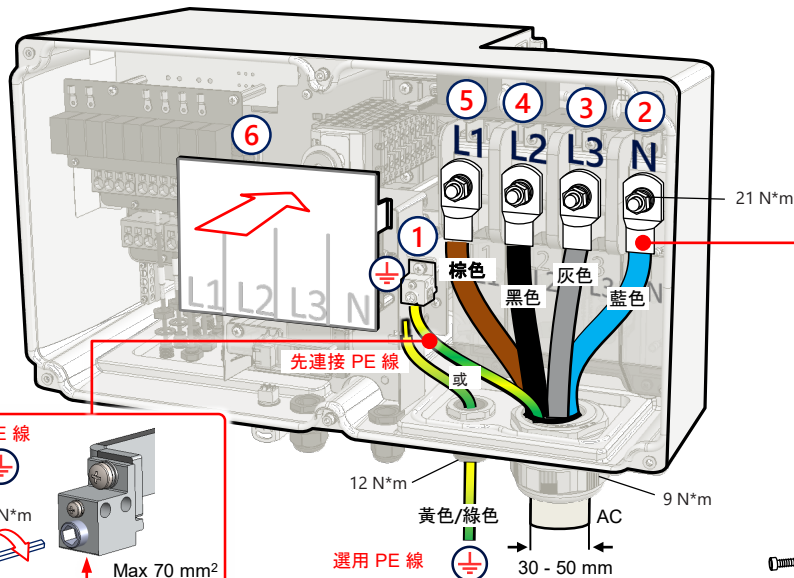


9

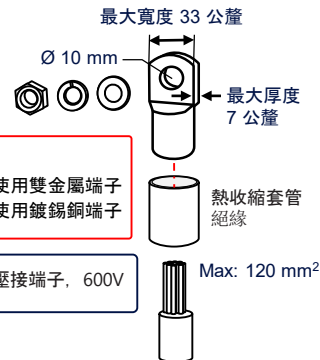
連接交流電和保護接地

變流器可支援 4 線式 + PE 或 3 線式 + PE 連接

其他都必須提供交流電輸出的過流保護，請參閱手冊以取得指引



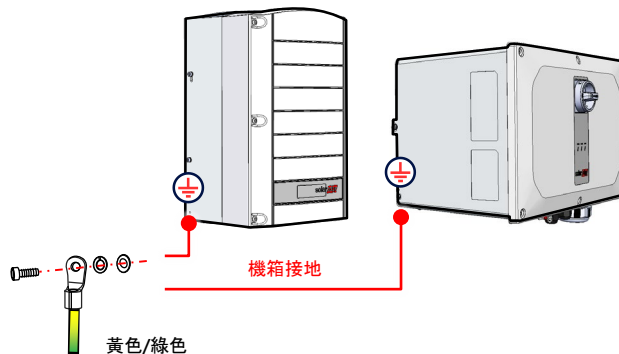
使用絞合線時，安裝商可自行決定是否使用套管

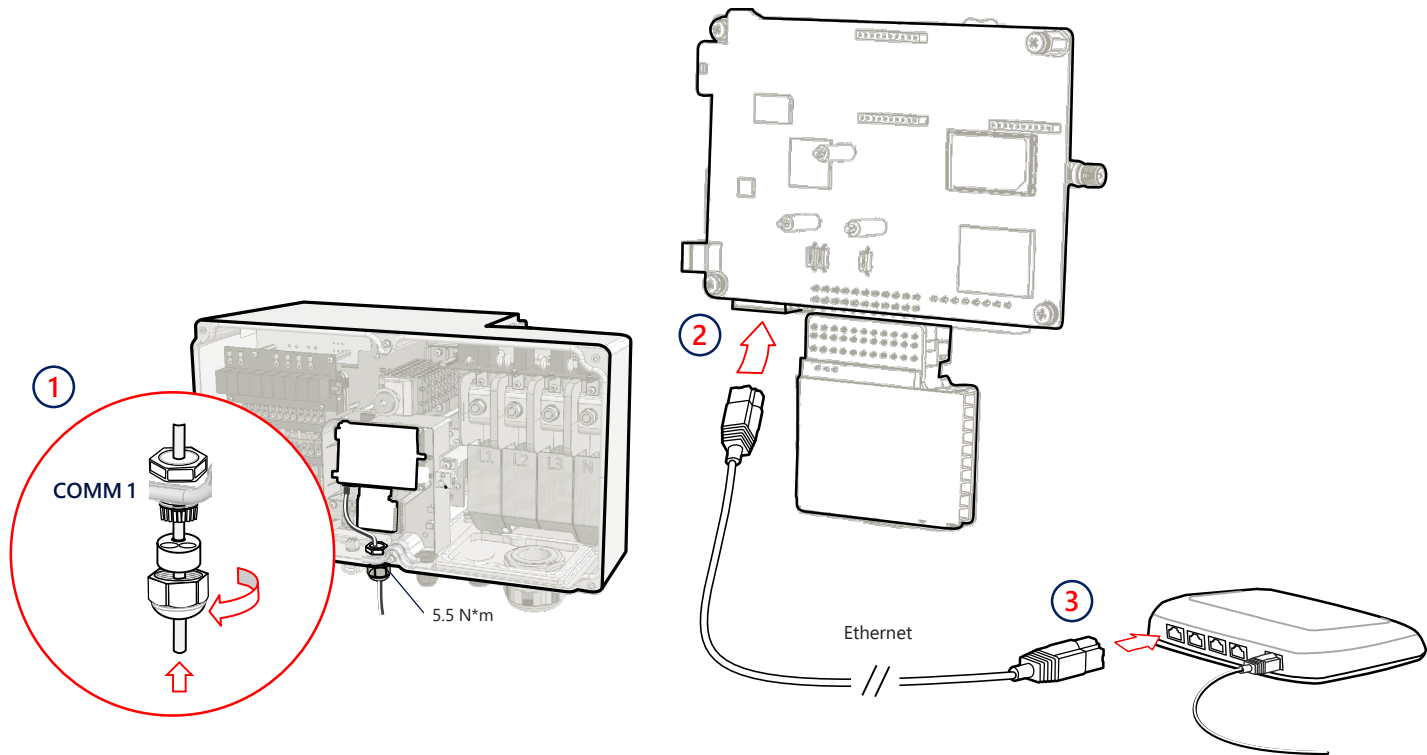


注意！！

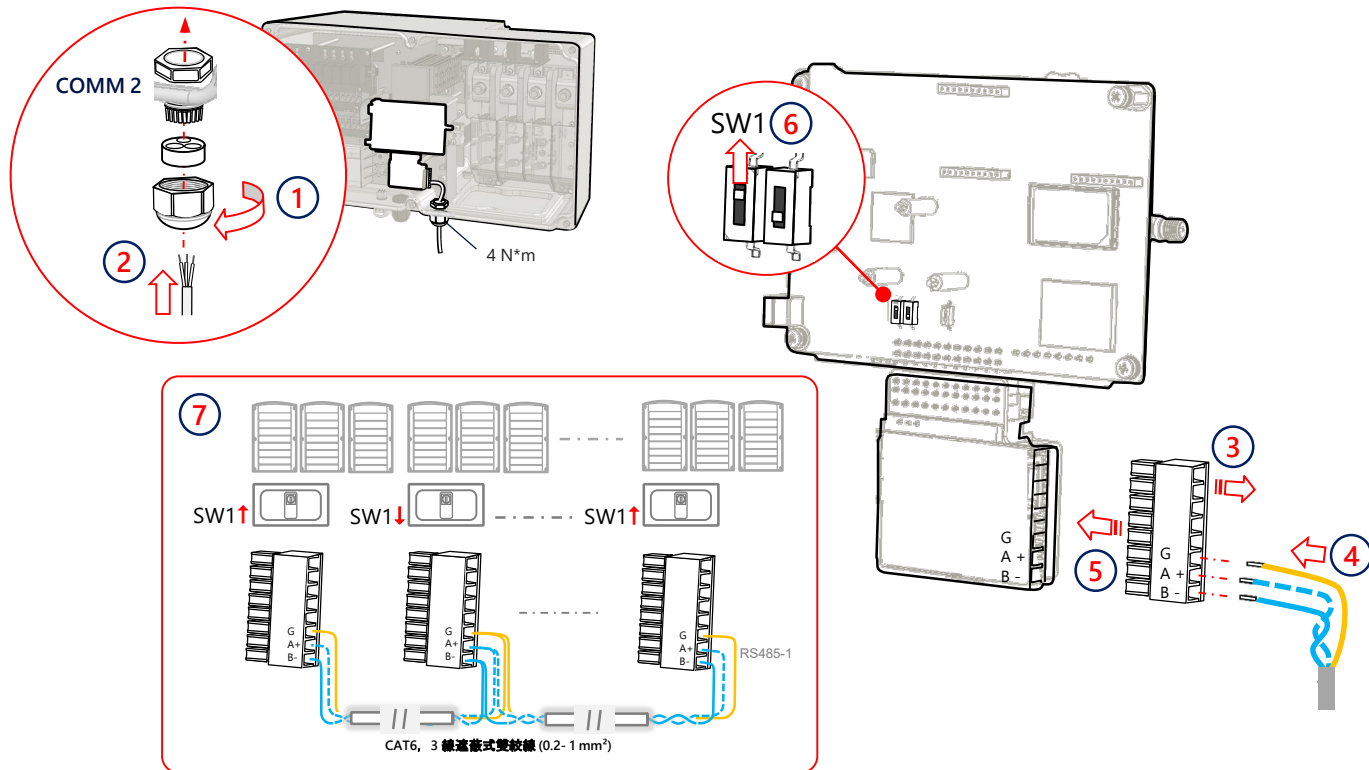
- 若為鋁線，只限使用雙金屬端子
- 若為銅線，只限使用鍍錫銅端子

只限單孔標準管壓接端子，600V



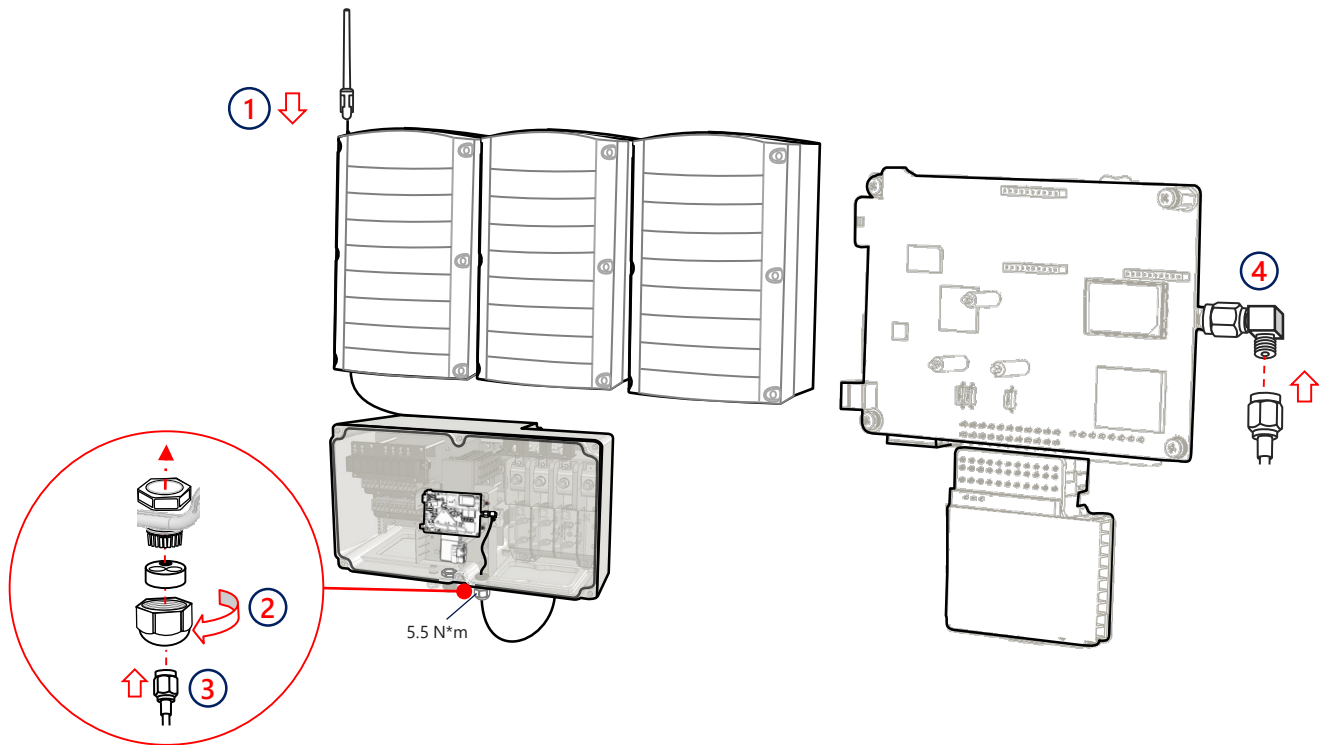


11 多個逆變器的 RS485 連接



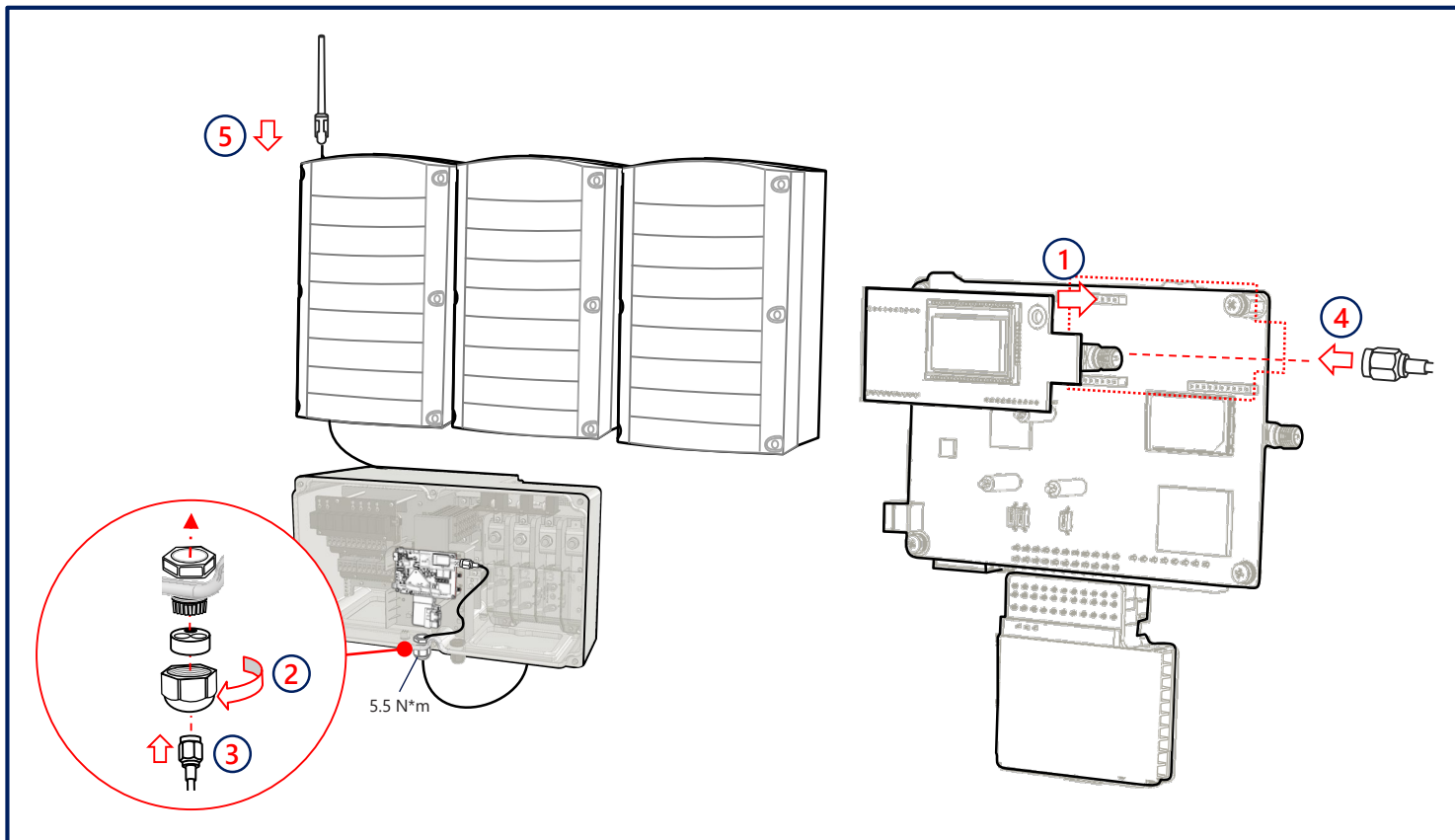
Wi-Fi 通訊連線(選配)

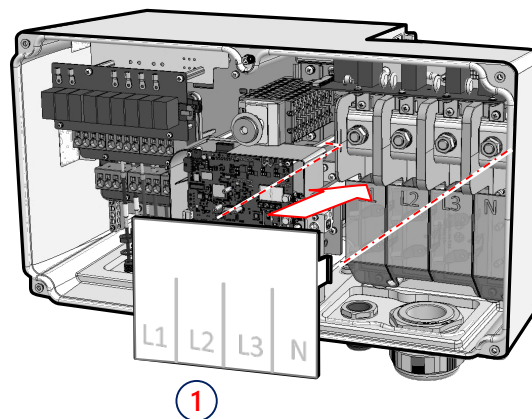
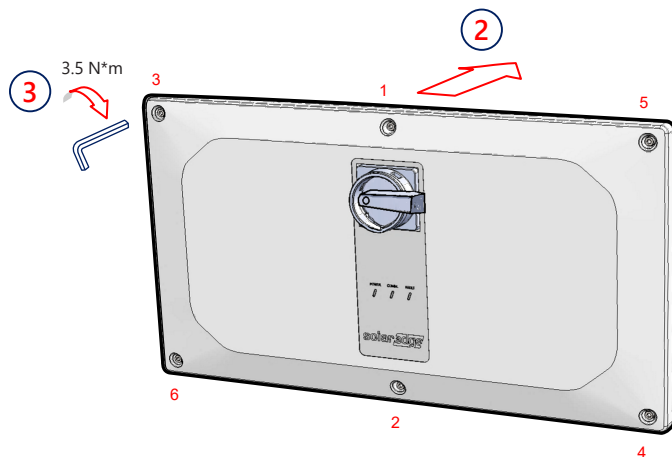
12



13

連線蜂巢式網路通訊（選用）





15 未連接交流電時預先調試 (選項 1)

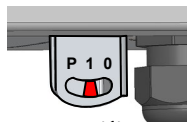
①

下載 SolarEdge SetApp



②

打開直流電開關

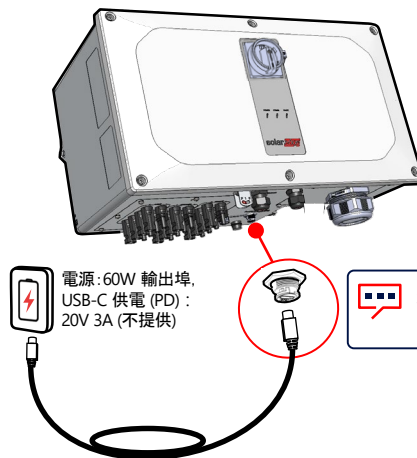


ON (1)



③

連接電源



電源: 60W 輸出埠,
USB-C 供電 (PD):
20V 3A (不提供)

蓋子連接器
不使用時

1 公尺, 公對公, USB-C (不提供)

④

啟動並遵照 SetApp



調適直流電與交流功率（選項 2）

16

①

下載 SolarEdge SetApp



②

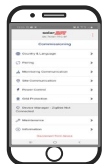
打開電源



③

啟動並遵照 SetApp





RS485-1 → 通訊協定 → SolarEdge → SolarEdge主裝置

RS485-1 → 從屬裝置偵測

電站		
Production 1.00 MW	Limit 1.00 MW	Inverters 10/10
逆變器		
Power 100kW	Voltage 277 Vac	Frequency 60.9 Hz
P_OK: 141 of 141 Connected	Server Comm. S_OK (LAN)	
Status Production	Switch On	
Cos Phi 1.00	Limit No Limit	Country USA2

變流器裝置		
Left SN 07318000D	Center SN 07318000C	Right SN 07318000E
Power 33.3 kW	Power 33.3 kW	Power 33.3 kW
Voltage 850 Vdc	Voltage 850 Vdc	Voltage 850 Vdc
P_OK 47 Of 47	P_OK 47 Of 47	P_OK 47 Of 47
Temperature 156 F	Temperature 156 F	Temperature 156 F
Fan OK	Fan OK	Fan OK
Isolation 100 kOhm	Isolation 100 kOhm	Isolation 100 kOhm

功率 通訊 錯誤

綠燈 藍燈 紅燈



系統正在產生功率



變流器正在與監控平台通訊



變流器正在與監控平台通訊



系統錯誤



支持聯繫信息

如果您有關於**SolarEdge**產品的技術問題，請與我們聯繫：

<https://www.solaredge.com/service/support>

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Support Contact Information

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