

SOFAR 25K~50KTLX-G3

25 / 30 / 33 / 36 / 40 / 45 / 50 kW

THREE-PHASE THREE TO FOUR MPPTs



Product advantages

- Max. efficiency up to 98.80%
- Up to 4 MPPTs with DC overload capability (up to 150%)
- Type II SPD for both DC and AC side
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ modules
- I-V curve scanning function



Model	SOFAR 25KTLX-G3	SOFAR 30KTLX-G3	SOFAR 33KTLX-G3	SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
Input (DC)							
Max. input voltage				1100V			
Rated input voltage				620V			
Start-up voltage				200V			
MPPT operating voltage range				180V-1000V			
Number of MPP trackers	3				4		
Number of DC inputs	2 for each MPPT						
Max. input MPPT current	3*40A	3*40A	3*40A	3*40A	4*40A	4*40A	4*40A
Max. input short circuit current	3*50A	3*50A	3*50A	3*50A	4*50A	4*50A	4*50A
Output (AC)							
Rated output power	25000W	30000W	33000W	36000W	40000W	45000W	50000W
Max. apparent power	28000VA	34000VA	37000VA	40000VA	44000VA	50000VA	55000VA
Max. output current	42.4A	51.5A	56A	60.6A	66.7A	75.8A	83.3A
Rated output voltage	3/N/PE 230/400Vac						
Output voltage range	310Vac~480Vac						
Rated output frequency	50/60Hz						
Output frequency range	45Hz-55Hz/53Hz-65Hz						
Active power adjustable range	0-100%						
THDI	<3%						
Power factor	1 (adjustable >±0.8)						
Efficiency							
Max. efficiency	98.6%	98.6%	98.6%	98.6%	98.8%	98.8%	98.8%
European efficiency	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%	98.2%
Protection							
DC reverse polarity protection				Yes			
Anti-islanding protection				Yes			
Leakage current protection				Yes			
Ground fault monitoring				Yes			
PV-array string fault monitoring				Yes			
DC switch				Yes			
SPD	PV: type II, AC: type II						
General Data							
Ambient temperature range				-30°C~+60°C			
Self-consumption at night				<3W			
Topology				Transformerless			
Degree of protection				IP65			
Allowable relative humidity range				0-100%			
Max. operating altitude				4000m			
Cooling				Smart air cooling			
Dimension (W*H*D)				585*480*220mm			
Weight	36kg				37kg		
Display				LCD & Bluetooth +APP			
Communication				RS485/WiFi			
Standard	IEC/EN 61000-6-1/2/3/4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2, C99, VDE-AR-N 4105, VDE V 0126-1-1, CEBS-21, EN 50549-1, NRS 097-2-1, UNE 217002-2020						

*All specifications are subject to change without notice.