SOFAR 110K~125KTLX-G4

110 / 125 kW

THREE-PHASE TEN-MPPTS

Product advantages

- Max. efficiency up to 98.75%
- IP66 design for outdoor
- Maximum 10 MPP trackers with 150%+ DC overload
- Type II SPD for both DC and AC side
- AC / DC dual power supply redundant design, 24-hour status monitoring
- I-V curve scanning function
- Supports Modbus Communication, external WiFi

Datasheet	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4
Input (DC)		
Max. input voltage	1100V	
Rated input voltage	625V	
Start-up voltage	200V	
MPPT operating voltage range	180-1000V	
Number of MPP trackers	10	
Number for DC inputs	20	
Max. input current per MPPT	10*40A	
Max. input short circuit current	10*50A	
Output (AC)		
Rated output power	100kW	110kW
Max. apparent power	110kVA@45°C / 100kVA@50°C	125kVA@45°C / 110kVA@50°C
Max. Output current	167.2A@380V / 159.5A@400V / 153.1A@415V	190A@380V / 181.2A@400V / 174A@415V
Rated grid voltage	3/N/PE, 380V / 400V / 415V	
Grid voltage range	310~480V	
Rated frequency	50 / 60 Hz	
Grid frequency range	45~55Hz / 55~65Hz	
Active power adjustable range	0~100%	
THDi	<1%(@100%P)	
Power factor	1 (adjustable +/-0.8)	
Efficiency		
Max. efficiency	98.60%	
European efficiency	98.30%	
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	
AFCI	Yes	
SPD	PV: type II standard, AC: type II standard	
General Data		
Ambient temperature range	-30°C ~ +60°C	
Self-consumption at night	<1W	
Topology	Transformerless	
Degree of protection	IP66	
Allowable relative humidity range	0~100%	
Max. operating altitude	4000m(>3000m derating)	
Weight	75kg	
Cooling	Smart forced air cooling	
Dimension (W*H*D)	970*695*325 mm	
Display	LCD & Bluetooth +APP	
Communication	RS485/WiFi	

* All specifications are subject to change without notice.