

SOFAR 110K~125KTLX-G4

110 / 125 kW

THREE-PHASE TEN-MPPTS



Product advantages

- Max. efficiency up to 98.60%
- 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		
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.