

SOFAR 100-125KTLX-G4

100 / 110 / 125 kW

THREE-PHASE TEN MPPTS



Product advantages

- Max. efficiency up to 98.6%
- IP66 design for outdoor
- Maximum 10 MPPTs 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 Wi-Fi



Model	SOFAR 100KTLX-G4	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4
Input (DC)			
Max. input voltage	1100V		
Rated input voltage	625V		
Start-up voltage	200V		
MPPT operating voltage range	180V-1000V		
Number of MPP trackers	10		
Number of DC inputs	20		
Max. input MPPT current	10*40A		
Max. input short circuit current	10*50A		
Output (AC)			
Rated output power	100kW	100kW	110kW
Max. apparent power	100kVA@45°C / 90kVA@50°C	110kVA@45°C / 100kVA@50°C	125kVA@45°C / 110kVA@50°C
Max. output current	152A@380V / 145A@400V / 139.2A@415V	167.2A@380V / 159.5A@400V / 153.1A@415V	190A@380V / 181.2A@400V / 174A@415V
Rated output voltage	3/N/PE, 380V / 400V / 415V		
Output voltage range	310-480V		
Rated output frequency	50/60Hz		
Output frequency range	45-55Hz/55-65Hz		
Active power adjustable range	0-100%		
THDi	<1%(@100%P)		
Power factor	1 (+/-0.8 adjustable)		
Efficiency			
Max. efficiency	98.6%		
European efficiency	98.3%		
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, AC: type II		
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)		
Cooling	Smart air cooling		
Dimension (W*H*D)	970*695*325mm		
Weight	75kg		
Display	LCD & Bluetooth +APP		
Communication	RS485/ Wi-Fi		
Standard	EN/IEC 62109-1/2, EN/IEC 61000-6-2/-4, IEC 61000-3-4/-5, EN 50530, EN 50549, IEC62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, VDE V 0126-1-1, UTE C15-712-1, VDE-AR-N 4105/4110, CEI 0-21/16, NTS 631, UNE 217001, UNE 217002, G99, C10/11		

*All specifications are subject to change without notice.