

SOFAR 100K~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	SOFAR 125KTLX-G4-A
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	125kW	
Max. apparent power	100kVA@45°C / 90kVA@50°C	110kVA@45°C / 100kVA@50°C	125kVA@45°C / 110kVA@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	190A@380V / 181.2A@400V / 174A@415V	
Rated output voltage	3/N/PE, 380V / 400V / 415V				
Output voltage range	310-480Vac				
Rated output frequency	50/60Hz				
Output frequency range	45Hz-55Hz/55Hz-65Hz				
Active power adjustable range	0-100%				
THDi	<1%(@100%P)				
Power factor	1 (adjustable +/-0.8)				
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.