

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 WiFi



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	
AFCL		Yes	
SPD		PV: type II, AC: type II	
General Data			
Ambient temperature range		-30°C~+60°C	
Topology		Transformeless	
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/ WiFi	
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 60068-2-1/2/14/50, VDE V 0126-1-1, UTE C15-712-1, VDE-AR-N 4105/4110, CEI 0-21/1/6, NTS 651, UNE 217001, UNE 217002, C99, C10/11		

*All specifications are subject to change without notice.