

SOFAR 110K~125KTLX-G4

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



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		180V-1000V			
Number of MPPTs		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		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 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/ WiFi			
Standard		EN/IEC 62109-1/2, EN/IEC 61000-6-2/4, 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, RD647, C99, C10/11			

*All specifications are subject to change without notice.