

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				623V		
Start-up voltage				200V		
MPPT operating voltage range				180V~1000V		
Number of MPPT trackers				10		
Number of DC inputs				20		
Max. input MPPT current				10°A		
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		132A@300V / 145A@400V / 139.2A@415V		107.2A@300V / 131.5A@400V / 131.1A@415V		190A@300V / 181.2A@400V / 174A@415V
Rated output voltage				5kVPE, 300V / 400V / 415V		
Output voltage range				310~480V		
Rated output frequency				50/60Hz		
Output frequency range				45~55Hz/35~55Hz		
Active power adjustable range				0~100%		
THDi				<1%(@1000kVA)		
Power factor				1 (4~0.8 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				Transformless		
Degree of protection				IP66		
Allowable relative humidity range				0~100%		
Max. operating altitude				4000m (>5000m derating)		
Cooling				Smart air cooling		
Dimension (WHH+D)				970-690-323mm		
Weight				75kg		
Display				LCD & Bluetooth +App		
Communication				RS485/WiFi		
Standard				EN/IEC 62109-1/-2, EN/IEC 61000-3-2/-4, EN 50530, EN 50549, IEC62116, IEC 61727, IEC 60682-2-1/21.4/20, VDE V 0126-1-1, UTE C15-712-1, VDE-AR-N 4105A110, CEI 0-21/16, NTS 631, UNE 217001, UNE 217002, C59, C10111		

*All specifications are subject to change without notice.