

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	1100V	1100V
Rated input voltage	623V	623V	623V
Start-up voltage	200V	200V	200V
MPPT operating voltage range	180V~1000V	180V~1000V	180V~1000V
Number of MPPT trackers	10	10	10
Number of DC inputs	20	20	20
Max. input MPPT current	10'A@A	10'A@A	10'A@A
Max. input short circuit current	10'50A	10'50A	10'50A
Output (AC)			
Rated output power	100kW	100kW	110kW
Max. apparent power	100VA@43°C / 90VA@50°C	110VA@43°C / 100VA@50°C	125VA@43°C / 110VA@50°C
Max. output current	152A@300V / 145A@400V / 139.2A@415V	107.2A@300V / 159.5A@400V / 155.1A@415V	190A@320V / 181.2A@400V / 174A@415V
Rated output voltage	5/N/PE, 300V / 400V / 415V	5/N/PE, 300V / 400V / 415V	5/N/PE, 300V / 400V / 415V
Output voltage range	310~480V	310~480V	310~480V
Rated output frequency	50/60Hz	50/60Hz	50/60Hz
Output frequency range	43~58Hz/35~65Hz	43~58Hz/35~65Hz	43~58Hz/35~65Hz
Active power adjustable range	0~100%	0~100%	0~100%
THDI	<1%@100%P	<1%@100%P	<1%@100%P
Power factor	1 (4-0.8 adjustable)	1 (4-0.8 adjustable)	1 (4-0.8 adjustable)
Efficiency			
Max. efficiency	98.6%	98.6%	98.6%
European efficiency	98.3%	98.3%	98.3%
Protection			
DC reverse polarity protection	Yes	Yes	Yes
Anti-islanding protection	Yes	Yes	Yes
Leakage current protection	Yes	Yes	Yes
Ground fault monitoring	Yes	Yes	Yes
PV-array string fault monitoring	Yes	Yes	Yes
DC switch	Yes	Yes	Yes
AFCI	Yes	Yes	Yes
SPD	PV, type II, AC, type II	PV, type II, AC, type II	PV, type II, AC, type II
General Data			
Ambient temperature range	-30°C~60°C	-30°C~60°C	-30°C~60°C
Topology	Transformertless	Transformertless	Transformertless
Degree of protection	IP66	IP66	IP66
Allowable relative humidity range	0~100%	0~100%	0~100%
Max. operating altitude	4000m (>5000m derating)	4000m (>5000m derating)	4000m (>5000m derating)
Cooling	Smart air cooling	Smart air cooling	Smart air cooling
Dimension (W*H*D)	970*693*323mm	970*693*323mm	970*693*323mm
Weight	75kg	75kg	75kg
Display	LCD & Bluetooth APP	LCD & Bluetooth APP	LCD & Bluetooth APP
Communication	RS485/WIFI	RS485/WIFI	RS485/WIFI
Standard	EN/IEC 62109-1/2, EN/IEC 61000-3-2/4, EN 60503, EN 60549, IEC62116, IEC 61727, IEC 61683, IEC 60682-2-1/2/1A/2D, VDE V 0126-1-1, UTE C15712-1, VDE-AR-N 0105/4110, CEI 0-21/16, NIS, 631, UNE 217001, UNE 217002, 696, C1011	EN/IEC 62109-1/2, EN/IEC 61000-3-2/4, EN 60503, EN 60549, IEC62116, IEC 61727, IEC 61683, IEC 60682-2-1/2/1A/2D, VDE V 0126-1-1, UTE C15712-1, VDE-AR-N 0105/4110, CEI 0-21/16, NIS, 631, UNE 217001, UNE 217002, 696, C1011	EN/IEC 62109-1/2, EN/IEC 61000-3-2/4, EN 60503, EN 60549, IEC62116, IEC 61727, IEC 61683, IEC 60682-2-1/2/1A/2D, VDE V 0126-1-1, UTE C15712-1, VDE-AR-N 0105/4110, CEI 0-21/16, NIS, 631, UNE 217001, UNE 217002, 696, C1011

*All specifications are subject to change without notice.