

SOFAR 100K~125KTLX-G4

100 / 110 / 125 kW

THREE-PHASE TEN MPPTS. ESS READY



Product advantages

- Max. efficiency up to 98.6%
- IP66 & C5 design for outdoor
- Maximum 10 MPPTs, 40A per MPPT
- Type I + II SPD for DC
- I-V curve scanning function
- Battery connector for ESS. DC coupled



Model	SOFAR 100KTLX-G4	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4
Input (DC)			
Max. input voltage	1100V		
Rated input voltage	623V		
Startup voltage	200V		
MPPT operating voltage range	186V~1000V		
Number of MPPT trackers	10		
Number for DC inputs	20		
Max. input MPPT current	10'00A		
Max. input short circuit current	10'250A		
AC Output(On Grid)			
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@330V / 145A@400V / 139.2A@415V	167.2A@330V / 159.5A@400V / 153.1A@415V	190A@330V / 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	45~59Hz±5~65Hz		
Active power adjustable range	0~100%		
THDI	<1%@(100%)		
Power factor	1 (I~O/S adjustable)		
ESS Parameter			
DC voltage range	200~1100V		
Max. charge / discharge current	100A / 100A		
Max. power(charge / discharge)	62.5kW / 62.5kW		
BMS communication	CAN		
AC Output(Off Grid)			
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@330V / 165A@400V / 139.2A@415V	167.2A@330V / 159.5A@400V / 153.1A@415V	190A@330V / 181.2A@400V / 174A@415V
Rated output voltage	3/N/PE 380V / 400V / 415V		
Rated output frequency	50/60Hz		
THDI	<3% (linear load)		
Efficiency (PV)			
Max. efficiency	98.60%		
European efficiency	98.30%		
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		
AIQ	Yes		
SPD	PV type I + II, AC type II		
General Data			
Ambient temperature range	-50°C~60°C		
Topology	Transformerless		
Degree of protection	IP66		
Allowable relative humidity range	0~100%		
Cooling	4000rpm/5000m (streaming)		
Smart air cooling	970~995~325mm		
Max. operating altitude	750m		
Dimension(W*H*D)	LCD & Bluetooth *APP		
Weight	RS485 / WiFi		
Display	RS485 / WiFi		
Communication	EN/IEC 62109-1/2, EN/IEC 61000-4-43, EN 50530, EN 50549, IEC 62116, IEC 61727, IEC 61683, IEC 60069-2-1/2/11-530, VDE V 0126-1-1, UFE C1371-1, VDE-AR-N 4105/4110, CEI 0-2/1/16, NTS 631, UNE 217001, UNE 217002		
Standard	*All specifications are subject to change without notice.		