SOFAR 100-125KTLX-G4

100 / 110 / 125 kW

Three-phase string inverter



High yield

- Max. efficiency up to 98.6%
- 10 MPPTs with 150% DC input overload capability

Safety & Protection

- IP66 design for outdoor
- Type II SPD for both DC and AC side

Smart O&M

- I-V curve scanning
- Supports Modbus Communication, external Wi-Fi

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Model	SOFAR 100KTLX-G4	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4	SOFAR 125KTLX-G4-A
Input (DC)				
Max. input voltage	1100V			
Rated input voltage	625V			
Start-up voltage	200V			
MPPT operating voltage range	180-1000V			
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	125kW
Max. apparent power	100kVA@45˚C / 90kVA@50˚C	110kVA@45˚C / 100kVA@50˚C	125kVA@45˚C / 110kVA@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	190A@380V / 181.2A@400V / 174A@415V
Rated output voltage	3/N/PE, 380V / 400V / 415V			
Output voltage range	310-480Vac			
Rated output frequency	50/60Hz			
Output frequency range	45-55Hz / 55-65Hz			
Active power adjustable range	0-100%			
THDi	< 1% (@100%P)			
Power factor	0.8 leading - 0.8 lagging			
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	75 kg			
Display	LCD & Bluetooth +APP			
Communication	RS485 / Wi-Fi			
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 60068-2-1/2/14/30, VDE V 0126-1-1, UTE C15-712-1, VDE-AR-N 4105/4110, NTS 631, UNE 217001, UNE 217002, G99, C10/11			

*All specifications are subject to change without notice.