

# SOFAR 110-125KTLX-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
- I-V curve scanning function
- Supports Modbus Communication, external Wi-Fi



Model	SOFAR 110KTLX-G4	SOFAR 125KTLX-G4	SOFAR 125KTLX-G4-A
<b>Input (DC)</b>			
Max. input voltage	1100V		
Rated input voltage	625V		
Start-up voltage	200V		
MPPT operating voltage range	180V-1000V		
Number of MPP trackers	10		
Number of DC inputs	20		
Max. input MPPT current	10×40A		
Max. input short circuit current	10×50A		
<b>Output (AC)</b>			
Rated output power	100kW	110kW	125kW
Max. apparent power	110kVA@45°C / 100kVA@50°C	125kVA@45°C / 110kVA@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	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	45Hz-55Hz/55Hz-65Hz		
Active power adjustable range	0-100%		
THDi	<1%(@100%P)		
Power factor	1 (adjustable +/-0.8)		
<b>Efficiency</b>			
Max. efficiency	98.6%		
European efficiency	98.3%		
<b>Protection</b>			
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		
<b>General Data</b>			
Ambient temperature range	-30°C to +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/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.