SOFAR 15-25KTLX-G3P

15 / 17 / 20 / 23 / 25 kW

Three-phase string inverter



Flexible power adaptation

- Compatible with 182 & 210 high power PV modules
- Low start-up and wide MPPT voltage range

Robust performance

- Prolonged AC overload compatibility (110%)
- Type II SPD for both DC and AC sides

Smart O&M

- Smart string level monitoring
- Remote upgrade via SofarCloud

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Model	SOFAR 15KTLX-G3P	SOFAR 17KTLX-G3P	SOFAR 20KTLX2-G3P	SOFAR 23KTLX-G3P	SOFAR 25KTLX-G3P
Input (DC)					
Recommended max. PV input power	22500 Wp	25500 Wp	30000 Wp	34500 Wp	37500 Wp
Max. input voltage	1100 V				
Rated input voltage	620 V				
Start-up voltage	180 V				
MPPT operating voltage range	160-1000 V				
Number of MPP trackers	2				
Number of DC inputs	1/2		2/2		
Max. input MPPT current	20 A/32 A		40 A/32 A		
Max. input short circuit current	25 A/40 A		50 A/40 A		
Output (AC)					
Rated output power	15000 W	17000 W	20000 W	23000 W	25000 W
Max. apparent power	16500 VA	18700 VA	22000 VA	25300 VA	27500 VA
Max. output current	25.1 A	28.5 A	33.5 A	38.5 A	41.8 A
Rated output voltage	3/N/PE, 220/380 Vac, 230/400 Vac, 240/415 Vac				
Output voltage range	310-480 Vac				
Rated output frequency	50/60 Hz				
Output frequency range	45 Hz - 55 Hz/55 Hz - 65 Hz				
Active power adjustable range	0-100%				
THDi	<3%				
Power factor	0.8 leading – 0.8 lagging				
Efficiency					
Max. efficiency	≥98.6%				
European efficiency	≥98.1%				
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				
Self-consumption at night	<1 W				
Topology	Transformerless				
Degree of protection	IP66				
Allowable relative humidity range	0-100%				
Max. operating altitude	4000 m (>2000 m derating)				
Cooling	Smart air cooling				
Dimension (W×H×D)	491×412×188 mm				
Weight	19 kg	20 kg	20.5 kg		
Display	LCD & Bluetooth + APP				
Communication	RS485 / Wi-Fi				
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-1/2/3/4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, VDE-AR-N 4105, VDE V 0126-1-1, EN 50549-1/10				

*All specifications are subject to change without notice.