SOFAR 25-50KTLX-G3

25 / 30 / 33 / 36 / 40 / 45 / 50 kW

Three-phase string inverter



High yield

- Max. efficiency up to 98.80%
- Prolonged AC overload capability (110%)
- Low start-up voltage, wide MPPT voltage range

Wide compatibility

- Up to 4 MPPTs with DC overload capability (up to 150%)
- Compatible with 500Wp+ PV modules

Smart protection

- Type II SPD for both DC and AC side
- I-V curve scanning function

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Model	SOFAR 25KTLX-G3	SOFAR 30KTLX-G3	SOFAR 33KTLX-G3	SOFAR 36KTLX-G3	SOFAR 40KTLX-G3	SOFAR 45KTLX-G3	SOFAR 50KTLX-G3
Input (DC)							
Max. input voltage	1100V						
Rated input voltage	620V						
Start-up voltage	200V						
MPPT operating voltage range	180-1000V						
Number of MPP trackers	3				4		
Number of DC inputs	2 for each MPPT						
Max. input MPPT current	3×40A				4×40A		
Max. input short circuit current	3×50A				4×50A		
Output (AC)							
Rated output power	25000W	30000W	33000W	36000W	40000W	45000W	50000W
Max. apparent power	28000VA	34000VA	37000VA	40000VA	44000VA	50000VA	55000VA
Max. output current	42.4A	51.5A	56A	60.6A	66.7A	75.8A	83.3A
Rated output voltage	3/N/PE, 230/400Vac						
Output voltage range	310-480Vac						
Rated output frequency	50/60Hz						
Output frequency range	45Hz-55Hz / 55Hz-65Hz						
Active power adjustable range	0-100%						
THDi	< 3%						
Power factor	0.8 leading - 0.8 lagging						
Efficiency							
Max. efficiency	98.6%				98.8%		
European efficiency	98.2%				98.2%		
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						
SPD	PV: type II, AC: type II						
General Data							
Ambient temperature range	-30˚C ~ +60˚C						
Self-consumption at night	< 3W						
Topology	Transformerless						
Degree of protection	IP65						
Allowable relative humidity range	0-100%						
Max. operating altitude	4000m						
Cooling	Smart air cooling						
Dimension (W×H×D)	585×480×220 mm						
Weight	36 kg				37 kg		
Display	LCD & Bluetooth + APP						
Communication	RS485/Wi-Fi						
Standard	IEC/EN 61000-6-1/2/3/4, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2, G99, VDE-AR-N 4105, VDE V 0126-1-1, EN 50549-1, NRS 097-2-1, UNE 217002-2020						

*All specifications are subject to change without notice.