SOFAR 60-80KTLX-G3

60 / 80 kW

Three-phase string inverter



High yield

- Max. efficiency up to 98.7%
- 6 MPPTs, 150% DC overload

Wide compatibility

- Compatible with 500Wp+ PV modules
- Low start-up and wide MPPT voltage range

Reliable performance

- Supports 110% AC overload for long duration
- Type II SPD for both DC and AC side
- I-V curve scanning

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Model	SOFAR 60KTLX-G3	SOFAR 80KTLX-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	6	
Number of DC inputs	2 for each MPPT	
Max. input MPPT current	6×32A	6×40A
Max. input short circuit current	6×50A	6×60A
Output (AC)		
Rated output power	60000W	80000W
Max. apparent power	66000VA	88000VA
Max. output current	100A	133.3A
Rated output voltage	3/N/PE, 230/400Vac	
Output voltage range	310-480Vac	
Rated output frequency	50/60Hz	
Output frequency range	45-55Hz / 55-65Hz	
Active power adjustable range	0-100%	
THDi	< 3%	
Power factor	0.8 leading - 0.8 lagging	
Efficiency		
Max. efficiency	98.7%	
European efficiency	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	< 2W	
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)	687×561×275 mm	
Weight	50 kg	
Display	LCD & Bluetooth +APP	
Communication	RS485/Wi-Fi	
Standard	IEC/EN 61000-6-2/4, IEC 61000-3-4/5, 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, UNE 217002-2020	

*All specifications are subject to change without notice.