

SOFAR 60-80KTLX-G3

60 / 80 kW

Three-phase string inverter



High Yield

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



Wide compatibility

- Compatible with 500W+ 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

Model	SOFAR 60KTLX2-G3	SOFAR 80KTLX-G3
Input (DC)		
Max. input voltage	1100 V	
Rated input voltage	620 V	
Start-up voltage	200 V	
MPPT operating voltage range	180-1000 V	
Number of MPP trackers	6	
Number of DC inputs	2 for each MPPT	
Max. input MPPT current	6×40 A	
Max. input short circuit current	6×60 A	
Output (AC)		
Rated output power	60000 W	80000 W
Max. apparent power	66000 VA	88000 VA
Max. output current	100 A	133.3 A
Rated output voltage	3/N/PE, 230 / 400 Vac	
Output voltage range	310 Vac - 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	98.7%	
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	
AFCI	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	4000 m (>3000 m 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, C99, VDE-AR-N 4105, VDE V 0126-1-1, EN 50549-1, UNE 217002-2020	

*All specifications are subject to change without notice.