

SOFAR 60K~80KTLX-G3

60 / 80 kW

THREE-PHASE SIX MPPTS



Product advantages

- Max. efficiency up to 98.7%
- Longtime 110% AC overload ability
- Type II SPD for both DC and AC side
- 6 MPPTs with 1.5 times DC overload
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ PV modules
- I-V curve scanning function



Datasheet		SOFAR 60KTLX-G3	SOFAR 80KTLX-G3
Input (DC)			
Max. input voltage			1100V
Rated input voltage			620V
Start-up voltage			200V
MPPT operating voltage range			180V-1000V
Number of MPPTs			6
Number of DC Inputs			2 for each MPPT
Max. input MPPT current			6*40A
Max. input short circuit current			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	310Vac-480Vac		
Rated output frequency	50/60Hz		
Output frequency range	45Hz-55Hz/55Hz-65Hz		
Active power adjustable range	0-100%		
THDI	<3%		
Power factor	1 (adjustable +/-0.8)		
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℃~+60℃
Selfconsumption 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)			687×561×275mm
Weight			50kg
Display			LCD & Bluetooth +APP
Communication			RS485/WIFI
Standard	IEC/EN 61000-6-2/4 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,CEI0-21, EN 50549-1,UNE 217002-2020		

*All specifications are subject to change without notice.

Declaration of Conformity

We, **Shenzhen SOFARSOLAR Co., Ltd.**, confirm that :

The below products

SOFAR 60KTLX-G3

Manufactured by

Shenzhen SOFARSOLAR Co., LTD

11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community,

Xin' an Sub-district, Bao' an District, Shenzhen City,

China

are in conformity with the following EU legislations:

- **Electro Magnetic Compatibility 2014/30/UE (EMC)**
- **Radio Equipment Directive 2014/53/EU (RED)**

Test Standards: EN IEC 61000-6-2:2019, EN IEC 61000-6-4:2019
EN 301 489-1 V2.2.3, EN 301 489-17 V3.2.4
EN 300 328 V2.2.2, EN 62479:2010

This declaration of conformity is issued under the sole responsibility of the manufacturer. Shenzhen, 2023-03-31



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