



**SOFAR**

# 60K~80KTLX-G3

60 / 80 kW

## THREE-PHASE

- Max. efficiency up to 98.7%
- Compatible with 500 W+ PV modules
- Type II SPD for both DC and AC side
- Supports Modbus Communication, external WiFi
- Low start-up voltage, wide MPPT voltage range

## SIX MPPTS

- Remote firmware upgrade
- I-V curve scanning function
- 6 MPP trackers with 1.5 times DC over load
- Longtime 110% AC overload ability

**Datasheet**
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<b>Input (DC)</b>		
Recommended max. input power (Wp)	90000	120000
Number of MPPT trackers	6	
Number of DC inputs	2 per MPPT	
Max. input voltage (V)	1100	
Start-up voltage (V)	200	
Rated input voltage (V)	620	
MPPT operating voltage range (V)	180-1000	
Full power MPPT voltage range (V)	550-850	
Max. input MPPT current (A)	6*32	6*40
Max. input short circuit current (A)	6*50	6*60
<b>Output (AC)</b>		
Rated power (W)	60000	80000
Max. AC power (VA)	66000	88000
Max. output current (A)	100	133.3
Rated grid voltage	3 / N / PE, 230 / 400 Vac	
Grid voltage range	310 - 480 Vac (according to local standard)	
Rated grid frequency	50 / 60 Hz	
Grid frequency range	45 Hz-55 Hz / 55 Hz-65 Hz (according to local standard)	
Active power adjustable range	0~100%	
THDi	< 3%	
Power factor	1 default (adjustable +/-0.8)	
<b>Performance</b>		
Max. efficiency	98.70%	
European efficiency	98.20%	
<b>Protection</b>		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
Leakage current protection	Yes	
Ground fault monitoring	Yes	
PV-array string fault monitoring	Yes	
Anti reverse power function	Yes	
DC switch	Yes	
Input / output SPD	PV: type II standard, optional: type I. AC: type II standard	
<b>Communication</b>		
Communication	RS485/Bluetooth Optional: WiFi/Ethernet	
<b>General Data</b>		
Ambient temperature range	-30°C~+60°C	
Self-consumption at night (W)	< 2	
Topology	Transformerless	
Degree of protection	IP66	
Allowable relative humidity range	0~100%	
Max. operating altitude	4000 m	
Weight (kg)	50	
Cooling	Fan	
Dimension (mm)	687*561*275	
Display	LCD, App via Bluetooth	
<b>Standard</b>		
EMC	EN 61000-6-2, EN 61000-6-3, EN 61000-3-11, EN 61000-3-12	
Safety standards	IEC 62109-1/2, IEC 62116, IEC 61727, IEC 61683, IEC 60068 (1,2,14,30), IEC 60255	
Grid standards	VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21 / CEI 0-16, UNE 206 007-1, EN 50549, G99, EN 50530	