

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 MPP trackers with 1.5 times DC over load
- 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)		
Recommended max. PV input power (Wp)	90000	120000
Number of MPP 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)	550-800	
Max. input MPPT current (A)	6*32	6*40
Max. input short circuit current per MPPT (A)	6*50	6*60
Output (AC)		
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 V / 400 Vac	
Grid voltage range	310 - 480 Vac (according to local standard)	
Rated grid frequency	50 Hz / 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)	
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	
Anti reverse power function	Yes	
DC switch	Yes	
Input / output SPD	PV: type II standard, optional: type I. AC: type II standard	
Communication		
Standard Communication mode	RS485/Bluetooth, Optional: WiFi/Ethernet	
General Data		
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	
Standard		
EMC	EN 61000-6-2, EN 61000-6-4	
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	

* All specifications are subject to change without notice.