

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 60KTLX2-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°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*275mm	
Weight	50kg	
Display	LCD & Bluetooth +APP	
Communication	RS485/WIFI	
Standard	IEC/EN 61000-6-2/4 IEC 62116, IEC 61727, IEC 61633, 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.