

SOFAR 60-80KTLX-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 150%+ DC overload
- Low start-up voltage, wide MPPT voltage range
- Compatible with 500 W+ PV modules
- I-V curve scanning function



Model	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 MPP trackers	6		
Number of DC inputs	2 for each MPPT		
Max. input MPPT current	6×32A	6×40A	
Max. input short circuit current	6×50A	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℃ to +60℃		
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/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, G99, VDE-AR-N 4105, VDE V 0126-1-1, EN 50549-1, UNE 217002-2020		

*All specifications are subject to change without notice.