

SOFAR 100K~110KTL

100 / 110 kW

THREE-PHASE TEN MPPTS



Product advantages

- Max. efficiency up to 98.70% / 98.75%
- IP66 design for outdoor
- Maximum 10 MPPTs with 150%+ DC overload
- Type II SPD for both DC and AC side
- AC/DC dual power supply redundant design, 24- hour status monitoring
- Supports Modbus Communication, external Wi-Fi



Datasheet	SOFAR 100KTL	SOFAR 110KTL
Input (DC)		
Max. input voltage	1100V	
Rated input voltage	625V	
Start-up voltage	200V	
MPPT operating voltage range	180V~1000V	
Number of MPP trackers	10	
Number of DC inputs	20	
Max. input MPPT current	10*26A	
Max. input short circuit current	10*40A	
Output (AC)		
Rated output power	100kW	110kW
Max. AC power	110kVA	121kVA
Max. output current	160A	175A
Rated output voltage	3/N/PE, 230V / 400V, 220V/380Vac	
Output voltage range	310~480V	
Rated output frequency	50/60Hz	
Output frequency range	45~55Hz/55~65Hz	
Active power adjustable range	0~100%	
THDi	<3%	
Power factor	1 (+/-0.8 adjustable)	
Efficiency		
Max. efficiency	98.70%	98.75%
European efficiency	98.30%	
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℃	
Topology	Transformerless	
Degree of protection	IP66	
Allowable relative humidity range	0~100%	
Max. operating altitude	4000m	
Cooling	Smart air cooling	
Dimension (W*H*D)	995.5*663.5*368mm	
Weight	90kg	
Display	LCD & Bluetooth +APP	
Communication	RS485/ Wi-Fi	
Standard	IEC 62109-1/2, IEC 61000-6-2/-4, EN 50549, EN 50530, IEC62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, AS/NZS 4777.2, VDE V 0126-1-1, UTE C15-712-1, VDE-AR-N 4105/4110/4120, CEI 0-21/-16, UNE 217001, UNE 217002	

*All specifications are subject to change without notice.