

SOFAR 110KTLX

110kW

THREE-PHASE TEN-MPPTS

SOFAR



Product advantages

- Max. efficiency up to 98.75%
- IP66 design for outdoor
- Maximum 10 MPP trackers with 150%+ DC overload
- Type II SPD for both DC and AC side
- AC / DC dual power supply redundant design, 24-hour status monitoring
- I-V curve scanning function
- Supports Modbus Communication, external WiFi



Datasheet

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Input (DC)

Max. input voltage	1100V
Rated input voltage	625V
Start-up voltage	200V
MPPT operating voltage range	180-1000V
Number of MPP trackers	10
Number for DC inputs	20
Max. input current per MPPT	10*26A
Max. input short circuit current	10*40A

Output (AC)

Rated output power	110kW
Max. apparent power	121kVA
Max. Output current	175A
Rated grid voltage	3/N/ PE, 230V / 400V
Grid voltage range	310~480V
Rated frequency	50 / 60 Hz
Grid frequency range	45~55Hz / 55~65Hz
Active power adjustable range	0~100%
THDi	<1%(@100%P)
Power factor	1 (adjustable +/-0.8)

Efficiency

Max. efficiency	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
AFCI	Yes
SPD	PV: type II standard, AC: type II standard

General Data

Ambient temperature range	-30°C ~ +60°C
Selfconsumption at night	<1W
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0~100%
Max. operating altitude	4000m(>3000m derating)
Weight	90kg
Cooling	Smart forced air cooling
Dimension (W*H*D)	995.5*663.5*368 mm
Display	LCD & Bluetooth +APP
Communication	RS485/ WiFi

* All specifications are subject to change without notice.