SOFAR 255KTL-HV-TRO

255 kW

THREE-PHASE TWELVE MPPTS



Product advantages

- 12 MPPTs with max. efficiency up to 99.02%
- IP66&C5 protection design for outdoor
- PID recovery
- Compatible with Al and Cu AC cables
- 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



Datasheet	SOFAR 255KTL-HV-TRO
Input (DC)	
Max. input voltage	1500V
Rated input voltage	1160V
Start-up voltage	550V
MPPT operating voltage range	500V-1500V
Number of MPPTs	12
Number of DC inputs	24
Max. input MPPT current	12*30A
Max. input short circuit current	12*50A
Output (AC)	
Rated output power	220kW@50℃
Max. apparent power	255kVA@35℃ / 230kVA@45℃ / 220kVA@50℃
Max. output current	184A
Rated output voltage	3/PE, 800V
Output voltage range	640-920V
Rated output frequency	50Hz/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	99.02%
European efficiency	98.70%
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
PID recovery	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	5000m (> 4000m derating)
Cooling	Smart air cooling
Dimension (W×H×D)	1100.5×713.5×368mm
Weight	99kg
Display	LCD & Bluetooth +APP
Communication	RS485 / PLC
Standard	EN/IEC 62109-1/2, EN/IEC 61000, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, EN 50530, IEC 62910

*All specifications are subject to change without notice.

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