

SOFAR 255KTL-HV

255 kW

THREE-PHASE TWELVE-MPPTS



Product advantages

- 12 MPPTs with max. efficiency up to 99.02%
- IP66 and 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
Input (DC)		
Max. input voltage		1500V
Rated input voltage		1160V
Start-up voltage		550V
MPPT operating voltage range		500-1500V
Number of MPP trackers		12
Number for DC inputs		24
Max. input MPPT current		12*30A
Max. input short circuit current		12*50A
Output (AC)		
AC output power		255kVA@35°C / 230kVA@45°C / 220kVA@50°C
Max. output current		184A
Rated grid voltage		3 / PE, 800 Vac
Grid voltage range		640 Vac-920 Vac
Rated grid frequency		50 / 60 Hz
Grid frequency range		45-55 Hz / 55-65 Hz
Active power adjustable range		0-100%
THDi		< 3%
Power factor		1 (adjustable +/-0.8)
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 standard, AC: type II standard
Communication		
Communication		RS485/PLC
General Data		
Ambient temperature range		-30°C ~ +60°C
Topology		Transformerless
Degree of protection		IP66
Allowable relative humidity range		0-100%
Max. operating altitude		5000 m (>4000 m derating)
Weight		99kg
Cooling		Smart forced air cooling
Dimension (W*H*D)		1100.5*713.5*368mm
Display		LCD, App via Bluetooth
Standard		EN / IEC62109, EN / IEC 61000, IEC62116, IEC61727, IEC 61683, IEC60068, EN50530, VDE V 0126-1-1, UTE-C-15 712-1, VDE-AR-N 4110, 4120, EN50549, IEC 62910, SHAMS DUBAI

* All specifications are subject to change without notice.