

SOFAR 255KTL-HV

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



Model		SOFAR 255KTL-HV
Input (DC)		
Max. input voltage		1500V
Rated input voltage		1160V
Start-up voltage		550V
MPPT operating voltage range		500V-1500V
Number of MPP trackers		12
Number of DC inputs		24
Max. input MPPT current		12*30A
Max. input short circuit current		12*50A
Output (AC)		
Rated output power		255kW
Max. apparent power		255kVA
Max. output current		184A
Rated output voltage		3/PE, 800V
Output voltage range		640-920V
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		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°C~+60°C
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 / PBUS
Standard	EN/IEC 62109-1/2, EN/IEC 61000, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, EN 50530, VDE V 0126-1-1, VDE-AR-N 4110/4120, EN 50549, IEC 62910	

*All specifications are subject to change without notice.