

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		560V
MPPT operating voltage range		500V-1500V
Number of MPPT trackers		12
Number of DC inputs		2x
Max. input MPPT current		1250A
Max. input short circuit current		1250A
Output (AC)		
AC output power		255kW@35°C / 230kW@45°C / 220kW@50°C
Max. output current		184A
Rated output voltage		37PE, 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 (r/a.a 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-III 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*571*5-568mm
Weight		99kg
Display		LCD & Bluetooth +APP
Communication		RS485 / PLC
Standard		ENIEC 61683-10, ENIEC 61683-11, IEC 61727, IEC 61683, IEC 60460-3, IEC 61450, EN 50520, VDE V 0126-11, VDE-AR-N 4110, IEC 61010-2-01, EN 50548, IEC 62310

*All specifications are subject to change without notice.