SOFAR 250KTL-HV

Three-Phase

Twelve MPPTs

- Built-in Anti-PID and PID recovery
- IP66 and C5 protection
- Type II SPD for both DC and AC
- Touch free commissioning and remote firmware upgrade
- AC / DC dual power supply redundant design, 24-hour status monitoring
- Compatible with Al and Cu AC cables
- IV curve scan and diagnosis
- 12*MPPT with max. efficiency 99.02%

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Datasheet SOFAR 250KTL-HV

Input (DC)	
Max. input voltage	1500V
Rated input voltage	1080V
Start-up voltage	500V
MPPT operating voltage range	500V-1500V
Full power MPPT voltage range	800V-1300V
Number of MPP trackers	12
Number for DC inputs	24
Max. input MPPT current	30A*12
Max. input short circuit current	50A*12
Output (AC)	
AC output power	250kVA@30°C / 235kVA@40°C / 220kVA@50°C
Max. output current	180A
Nominal grid voltage	3/PE, 800Vac
Grid voltage range	640Vac-920VVac
Nominal frequency	50 / 60Hz
Grid frequency range	45～55Hz / 55～ 65Hz (According to local standard)
Active power adjustable range	0～100%
THDi	<3%
Power factor	1default (adjustable+/-0. 8)
Performance	
Max. Efficiency	99.02%
European weighted efficiency	98.50%
Protection	
DC reverse polarity protection	Yes
Anti-islanding protection	Yes
Leakage current protection	Yes
Ground fault monitoring	Yes
PV-array string fault monitoring	Yes
Zero voltage ride through	Yes
DC switch	Yes
Anti-PID protection	Optional
Protection class/ Overvoltage category	I/III
Input/ Output SPD	PV: type II standard, AC: type II standard
Communication	
Communication	RS485 /USB /Bluetooth, Optional: WiFi /GPRS /PLC
General Data	
Ambient temperature range	-30℃～+60℃
Topology	Transformerless
Degree of protection	IP66
Allowable relative humidity range	0～100%
Max. operating altitude	4000m
Weight	100kg
Cooling	Smart forced air cooling
Dimension	1100.5*713.5*368mm
Display	LCD&Bluetooth+APP
Standard warranty	5 years, Optional: 7 years / 10 years
Standard	
EMC	EN 61000-6-2, EN 61000-6-4
Safety standard	IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)
Grid standard	AS/NZS 4777, VDE V 0124-100, V 0126-1-1, VDE-AR-N 4105, CEI 0-21/CEI 0-16, UNE 206 007-1, EN50549, G99, EN50530, NB/T32004