

SP-275K-INH

SP Series String Solar Inverter

More power generation
 Max. efficiency 99.03%, Euro efficiency 98.80%
 12MPPTs for tracking maximum PV power
 Supports bifacial PV modules with max. PV current 20A

Low system cost
 Up to 24 PV strings
 Support aluminum cable access, saving cable costs
 Support PLC communication, save communication cable

High reliability
 Cooling fan with IP68 protection level
 Integrated string monitoring function
 Standard connection terminal for quick installation

Grid friendly
 Active power derating and reactive power adjustable
 Low harmonics and fast response for grid regulation



Input (DC)	SP-275K-INH
Max. PV input voltage	1500V
MPPT Max. input current	40A*12
Rated input voltage	1080V
MPP voltage range	500~1500V
MPP voltage range for nominal power	880~1300V
Number of MPPT trackers	12
Max. number of PV strings per MPPT	2

Output (AC)	SP-275K-INH
Rated output power	275kW@30 C, 250kW@45 C, 225kW@50 C
Max. output power	275kW
Rated grid voltage	800V
Grid voltage range	680~880V
Max. output current	198.5A
Rated grid frequency / range	50Hz/45~55Hz, 60Hz/55~65Hz
Output current harmonic(at nominal power)	<3%
Power factor at nominal power / range	>0.99/0.8leading to 0.8lagging

Protection	SP-275K-INH
DC reverse connection protection	Yes
Overvoltage protection	DC Type II/AC Type II
Leakage current protection	Yes
Grid monitoring	Yes
Insulation monitoring	Yes
Anti-island protection	Yes

Efficiency	SP-275K-INH
Max. efficiency	99.03%
EU efficiency	98.80%

General Data	SP-275K-INH
Isolation method	Transformerless
Self-consuming in night	<3.5W
Protection level	IP66
Noise	<60dB
Temperature	-30 C ~ +60 C
Allowed humidity(non condensing)	0-100%
Cooling mode	Temperature controlled forced air cooling
Max.operating altitude	5000m (>4000m derating)
Communication port	Standard:PLC, Optional:RS485
Dimensions (W×H×D)	1180×733×350mm
Weight	130kg

Circuit

