

1500V Three-phase On-grid String Inverter

SPI350K-B-H



Product Features

High efficient

- Advanced three-level technology max. efficiency 99.02%
- 12-16 MPPT optional, compatible with high-efficient PV module
- Anti-PID and PID recovery function

System optimization

- The maximum support 400mm² aluminum alloy cable access, reduce the cost of AC cable
- Support broadband PLC communication, save cable investment
- Support night SVG and quick response
- Data sharing helps to optimize the algorithm of tracking bracket

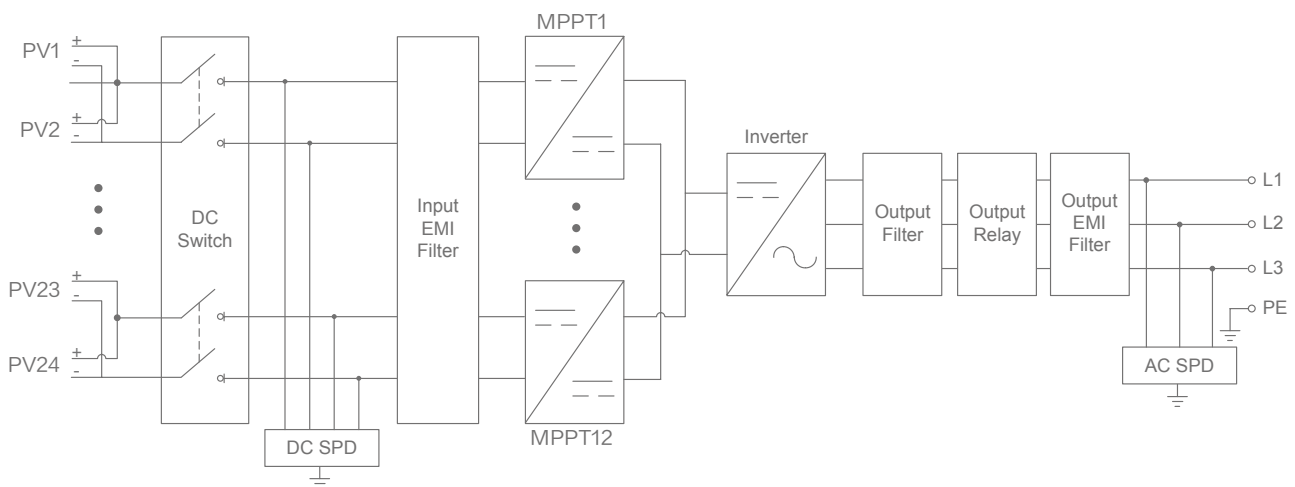
Safe and reliable

- IP66 and C5 anti-corrosion grade, intelligent fan with IP68 protection
- Redundant power supply by AC and DC
- Built-in AC / DC SPD protection

Intelligent management

- Intelligent I-V and fault wave recording, quick failure analysis
- Smart online upgrade, easy for system maintenance
- Capacitor detection and life prediction reduce the failure risk

Function Diagram



PV+ESS for the Future

Technical Specification

Items	SPI350K-B-H
DC Input	
Max. PV input voltage	1500Vdc
Max. PV input current	480A
No. of MPPTs	12/14/16 (optional)
No. of PV strings per MPPT	2
MPPT voltage range	500Vdc~1500Vdc
Starting voltage	550Vdc
MPPT Efficiency	>99.9%
AC Output	
Rated AC output power	350kW
Max. output power	385kVA
Rated AC output voltage	800Vac
Rated output current	252.6A
Max. output current	277.9A
Rated grid frequency	50Hz/60Hz
Grid frequency range	45~55Hz/55~65Hz
Power factor	>0.99 (full power)
Adjustable power factor	0.8 (leading)~0.8 (lagging)
THDi	<3% (rated power)
Efficiency	
Max. efficiency	99.02%
European efficiency	98.52%
Protection	
Anti-islanding	Yes
DC reversed connection	Yes
AC short circuit protection	Yes
Temperature protection	Yes
Surge protection	Yes
PV fault detect	Yes
DC switch	Yes
PID function	Optional
General	
Dimensions (W×H×D)	1200×900×361mm
Weight	115kg
IP grade	IP66
Self-consumption at night	<5W
Cooling type	Intelligent forced air cooling
Altitude	5000m (>4000m derating)
Operating temperature	-35°C ~60°C
Relative humidity	0~100%
Display	LED, Bluetooth+APP
Communication	RS485/WIFI (optional) /GPRS (optional) /PLC (optional)
DC terminal	Amphenol H4
AC terminal	OT/DT Terminal (max. 400mm2)
Installation method	Wall-mounted
Standard	NB/T32004-2018, GB/T37408-2019including LVRT and HVRT) , CGC-R46016:2018B, CGC-R46080:2018A, CGC/GF 035-2013, CNCA/CTS0002-2014, IEC62109-1, IEC62109-2, EN61000-6-2, EN61000-6-4

- Specifications are subject to change without prior notice.

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