

1000Vdc String Inverter

Single-phase On-grid String Inverter

SPI1500-B2/SPI2000-B2



Product Features

High efficiency

- High-efficiency inverter topology ensures annual power generation
- Advanced control algorithms and high adaptation ability to the grid, improving the stability of power generation system

Safe and reliable

- IP65 for outdoor application
- Integrated AC/DC full lightning protection
- Aluminum alloy die-casting integrated chassis, ensure 25 years full life circle running

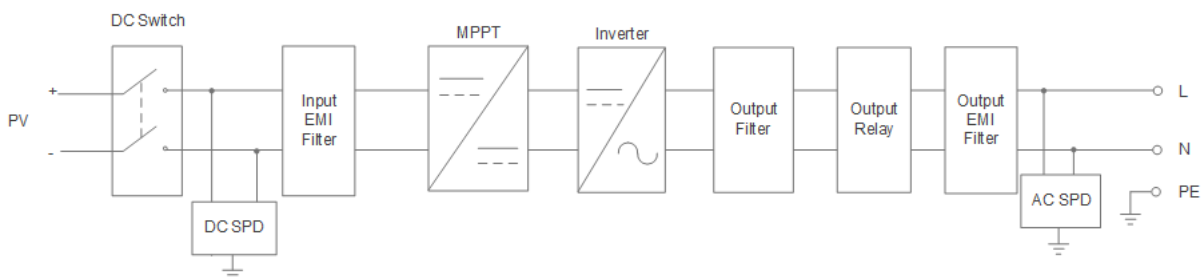
Intelligent management

- Intelligent cloud platform monitoring, realizing one- key APP real-time monitoring
- Support RS485, GPRS, WIFI and other communication methods

Green saving

- Small size, easy to install and use
- Natural cooling, ensuring low environmental noise
- Super-wide operating temperature range, adapt to extremely cold, high temperature areas

Function Diagram



*e.g. SPI1500-B2/2000-B2

Technical Specification

Items	SPI1500-B2	SPI2000-B2
DC Input		
Max. PV input voltage	600Vdc	
Rated input voltage	360Vdc	
Max. PV input current	13A	
No. of MPPTs	1	
No. of PV strings per MPPT	1	
MPPT voltage range	100Vdc~550Vdc	
MPPT voltage range for nominal power	125Vdc~450Vdc	165Vdc~450Vdc
Starting voltage	120Vdc	
AC Output		
Rated AC output power	1.5kW	2.0kW
Max. output power	1.65kW	2.2kW
Rated AC output voltage	220/230Vac	
Rated output current	6.5A	8.7A
Max. output current	7.2A	9.6A
Rated grid frequency	50/60Hz	
Grid frequency range	45~55Hz/55~65Hz	
Power factor	>0.99 full load	
Adjustable power factor	0.8(leading)~0.8(lagging)	
THDI	<3% (nominal power)	
Efficiency		
Max. efficiency	98.10%	
European efficiency	97.70%	
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	
General		
Dimensions (W×H×D)	360×420×125mm	
Weight	11.8 kg	
IP grade	IP65	
Noise level	≤25dB	
Self-consumption at night	<1W	
Cooling type	Natural cooling	
Altitude	4000m (>2000m derating)	
Operating temperature	-40°C~60°C (>45°C derating)	
Operating humidity	0~95% (Non-condensing)	
Display	LCD+LED	
Communication	RS485/WiFi (optional)/GPRS (optional)/DRM (Australia)	
DC terminal	H4 Terminal	
AC terminal	Plug and play connector	
Installation method	Wall-mounted	
Standard	EN62109-1, EN62109-2 NB/T32004, AS3100, AS4777, EN 61000-6-2, EN 61000-6-3	

- Specifications are subject to change without prior notice.