

Single-Phase On-grid String Inverter

SPI1500-B2/SPI2000-B2



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 25years full life circle running

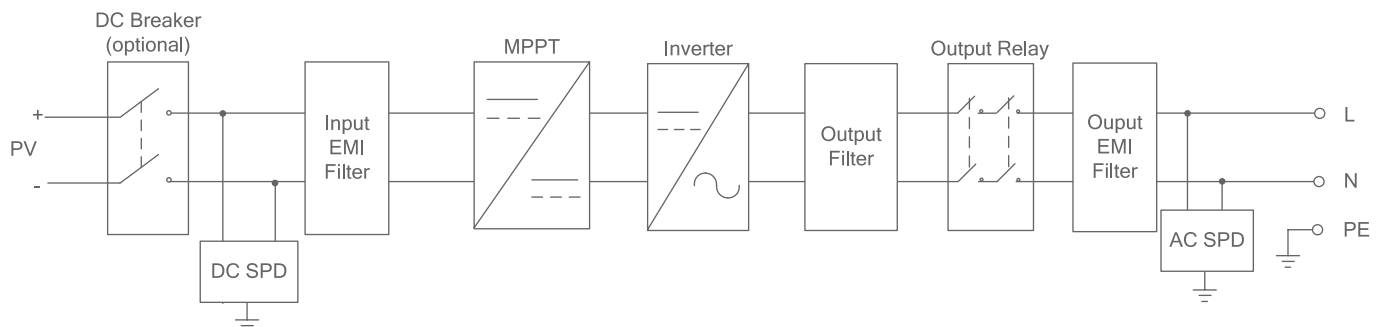
Intelligent Management

- 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 Specifications

Items	SPI1500-B2	SPI2000-B2
DC Input		
Max. Input Voltage	600Vdc	
Rated Input Voltage	360Vdc	
MPPT Voltage Range	100Vdc ~500Vdc	
Start Up Voltage	120Vdc	
No. of MPPTs / Strings per MPPT	1/1	
Max. Input Current	11A	
AC Output		
Nominal AC Output Power	1.5kW	2.0kW
Max. Output Power	1.65kW	2.2kW
Rated Output Current	6.8A	9.2A
Max. Output Current	7.5A	10A
Nominal AC Voltage	230Vac	
AC Voltage Range	180~280Vac	
Rated Grid Frequency	50/60Hz	
Grid Frequency Range	45~55Hz/55~65Hz	
Power Factor	>0.99 full load	
PF Adjustable Range	0.8(leading) ~ 0.8(lagging)	
THDI	<3% (nominal power)	
Efficiency		
Max. Efficiency	98.1%	
European Efficiency	97.7%	
Protection		
Anti-islanding	Yes	
DC Reversed Connection	Yes	
AC Short Circuit	Yes	
Temperature Protection	Yes	
Surge Protection	Yes	
PV Fault Detect	Yes (optional)	
DC Switch	Yes	
Others		
Dimensions (W×H×D)	360×420×125mm	
Weight	11.8 kg	
IP Grade	IP65	
Noise Emission (typical)	dB≤25	
Self-consumption at Night	<1W	
Cooling	Natural cooling	
Altitude	4000m (>2000m derating)	
Operating Temperature Range	-40°C~60°C (derate at 45°C)	
Operating Humidity	0~95%, non-condensing	
Display	LCD display + LED indicator	
Communication	RS485/WiFi (optional)/GPRS (optional)	

*Specifications are subject to change without prior notice.