



## Features

### Economical

- More power, more earnings, more PV power (135% installation) and higher temperature derating ( $\geq 45^{\circ}\text{C}$ )
- High Efficiency inverter topology with the maximum efficiency up to 98.2%
- Advanced control algorithms and high adaptation ability to the grid, improving the stability of power generation system.

### Safety and Reliability

- Aluminium alloy die-casting integrated chassis, capable of operating in harsh natural environment
- Super-wide operating temperature range:  $-40^{\circ}\text{C}\sim 60^{\circ}\text{C}$ , being the industry's first cold-resistant inverter

### Intelligent Management

- Intelligent cloud platform monitoring, realizing one-key APP real-time monitoring
- Support RS485, GPRS, WIFI, and other communication methods
- Smart feed-in control via smart meter.

### Minimal Installation Costs

- Small size, easy to install and use
- Natural cooling, ensuring low environmental noise

# Single-phase On-grid String Inverter

SPI3000-B2/SPI3600-B2/SPI4000-B2/SPI4600-B2/SPI5000-B2/SPI6000-B2

## Technical Specification

Items	SPI3000-B2	SPI4000-B2	SPI5000-B2	SPI6000-B2
<b>DC Input</b>				
Max. PV Input Voltage	600Vdc			
Rated PV voltage	360Vdc			
Max. PV Input Current	22A (2×11A)			
No. of MPPTs	2			
No. of PV strings per MPPT	1/1			
MPPT voltage range	100Vdc~500Vdc			
Starting voltage	120Vdc			
<b>AC Output</b>				
Rated AC output power	3kW	4kW	5kW	6kW
Rated AC output voltage	220V/230Vac			
Rated output current	13.6A	18.2A	22.7A	27.3A
Max. output current	15.0A	20.0A	25.0A	27.3A
Rated grid frequency	230Vac			
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)			
<b>Efficiency</b>				
Max. efficiency	98.30%			
European efficiency	97.90%			
<b>Protection</b>				
Anti-islanding	Yes			
DC reversed connection	Yes			
AC short circuit protection	Yes			
Temperature protection	Yes			
Surge protection	Yes			
PV fault detect	Yes			
DC switch	Optional			
<b>General</b>				
Dimensions (W×H×D)	360×420×125mm			
Weight	12.6kg			
IP grade	IP65			
Noise level	≤25dB			
Night Power Consumption	<1W			
Cooling type	Natural cooling			
Altitude	4000m (≥2000m derating)			
Operating temperature	-40°C~+60°C (> 45°C derating)			
Relative humidity	0~95%			
Display	LCD Display + LED Indicator			
Communication	RS485/WiFi/GPRS/DRM(Australia)			
DC terminal	MC4 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, IEC 62116:2014 IEC 61727:2004 ,IEC 60068-2-1:2007 ,IEC 60068-2-2:2007 ,IEC 60068-2-14:2009 ,IEC 60068-2-30:2005			

\*Specifications are subject to change without prior notice.