

Single-phase On-grid String Inverter

SPI3000~6000-B2 Series



High Yield

- 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 DC&AC SPD



Easy O&M

- Intelligent WiseSolar Plus APP+ cloud platform provides all-round visual O&M
- Support remote intelligent upgrade service can reduce O&M cost



Household friendly

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



Technical Specification

Items	SPI3000-B2	SPI3600-B2	SPI4000-B2	SPI4600-B2	SPI5000-B2	SPI6000-B2
DC Input (PV)						
Max. PV power (recommend)	3.9kWp	4.68kWp	5.2kWp	5.98kWp	6.5kWp	7.8kWp
Max. PV input voltage	600Vdc					
Rated input voltage	360Vdc					
Max. PV input current	13A/13A					
No. of MPPTs	2					
No. of PV strings per MPPT	1/1					
MPPT voltage range	100~550Vdc					
Starting voltage	120Vdc					
DC switch	Yes					
AC Output (On-grid)						
Rated AC output power	3.0kW	3.6kW	4.0kW	4.6kW	5.0kW	6.0kW
Max. output power	3.3kVA	3.96kVA	4.4kVA	5.06kVA	5.5kVA	6.0kVA
Rated AC output voltage	220Vac/230Vac					
Grid voltage range	184~276Vac					
Rated output current	13.0A	15.7A	17.4A	20.0A	21.7A	26.0A
Max. output current	14.3A	17.2A	19.1A	22.0A	23.9A	26.0A
Rated grid frequency	50/60Hz					
Grid frequency range	45~55Hz/55~65Hz					
Power factor	>0.99 (rated power)					
Adjustable power factor	0.8 (leading)~0.8 (lagging)					
THDI	<3% (rated power)					
Efficiency*						
Max. efficiency	98.10%					98.30%
European efficiency	97.70%					97.90%
MPPT efficiency	99.90%					
Function and protection						
Anti-islanding	Yes					
DC (PV) reversed connection	Yes					
AC short circuit protection	Yes					
Temperature protection	Yes					
Surge protection	DC Type II & AC Type III (Type II optional)					
Zero-export function	Yes (optional)					
General						
Dimensions (W*H*D)	360*420*125mm					
Weight	11.5kg					
IP grade	IP65					
Self-consumption at night	<1W					
Cooling type	Natural cooling					
Altitude	4000m (>2000m derating)					
Operating temperature	-30°C~60°C					
Operating humidity	0~100%					
Display	LCD+LED					
DC terminal	MC4 Terminal					
AC terminal	Plug and play connector					
Installation method	Wall-mounted					
Communication	RS485, DRM (optional), WIFI (optional)/GPRS (optional)					
Compliance	EN 62109-1/2, IEC 62109-1/2, EN 61000-6-2/3, IEC 62116, IEC 61727, IEC 60068 IS16221, IS16169, INMETRO					

- *Data under laboratory test conditions.
- Specifications are subject to change without prior notice.

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