



# Single-phase String Inverter

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

### Economical:

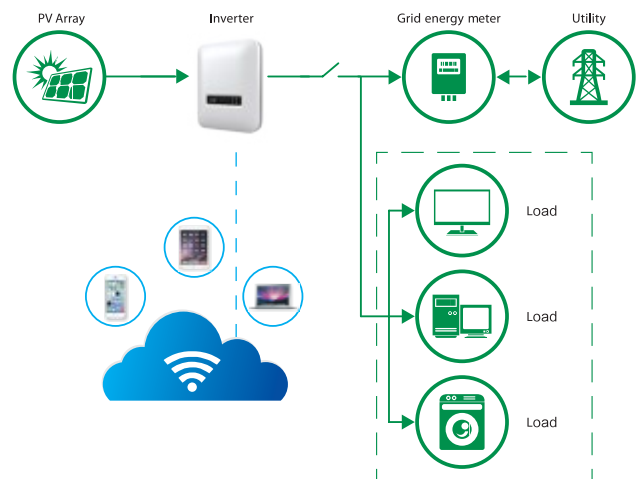
- More power, more earnings, more PV power (135% installation) and higher temperature derating ( $\geq 45$  °C)
- High efficiency inverter topology with the maximum efficiency up to 98.2%
- Advanced control algorithms and high adaptation ability to the grid, improving the stability of power generation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

### Safety and Reliability:

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

### Minimal Installation Costs:

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



### 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

## Technical Specification:

Items	SPI3000-B2	SPI3600-B2	SPI4000-B2	SPI4600-B2	SPI5000-B2	SPI6000-B2
<b>DC Input</b>						
Max. PV Power (kW)	4.05	4.86	5.4	6.21	6.75	8.1
Max. PV Input Voltage (Vdc)	600					
Max. PV Input Current (A)	22A (2x11A)					
No. of MPPTs/Total Strings	2/2					
MPPT Voltage Range (Vdc)	100~550					
Start Up Voltage (Vdc)	120					
MPPT Efficiency	99.9%					
<b>AC Output</b>						
Nominal AC Output Power (kW)	3	3.6	4	4.6	5	6
Maximum Output Power (kW)	3.3	3.96	4.4	5.06	5.5	6.0
Nominal AC Voltage (Vac)	220/230					
Rated Output Current (A)	13.6	16.4	18.2	20.9	22.7	27.3
Maximum Output Current (A)	15.0	18.0	20.0	23.0	25.0	27.3
Nominal Grid Frequency (Hz)	50/60					
Grid Frequency Range (Hz)	45~55/55~65					
Power Factor	>0.99 (full load)					
PF Adjustable Range	0.8 (leading)-0.8 (lagging)					
THDI	<3% (nominal power)					
<b>Efficiency</b>						
Max. Efficiency	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
European Efficiency	97.7%	97.9%	97.9%	97.9%	97.9%	97.9%
<b>Protection</b>						
Anti-islanding	Yes					
Smart Feed-in Control	Yes					
DC Reversed Connection	Yes					
AC ShortCircuit	Yes					
Leakage Current Protection	Yes					
Surge Protection	Yes					
DC Switch	Optional					
PV Fault Detect	Yes					
Standard & Certification (upon request)	IEC62109-1/-2, EN62109-1/-2, AS4777.2-2015, G83/2 G59/3 VDE4105 EN50438 AS 62040 CGC/CQC CE					
<b>Others</b>						
Dimension (WxHxD) (mm)	360x420x125					
Weight (kg)	11	11.5				
IP Grade	IP65					
Inverter design	Transformerless					
Noise emission (typical)(dB)	≤25					
Self Power Consumption at Night	<1 W					
Cooling Mode	Natural cooling					
Maximum Operating Altitude	4000m (>2000m derating)					
Operating Temperature Range (°C)	-40~60					
Operating Humidity Range	0~95% (Non-condensing)					
Display	LCD display+LED indicator					
Communication	RS485/WiFi (optional)/GPRS (optional)					

- Specifications are subject to change without prior notice.