

# Latest SPI-B2/B2S Series Single Phase String Inverter



## 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 DC&AC SPD
- Aluminum alloy die-casting integrated chassis, ensure 25 years full life circle running

## Intelligent Management

- Intelligent cloud monitoring platform with Smart Phone APP real-time performance monitorin
- Support RS485, GPRS and WIFI communication methods

## Green saving

- Multit-MPPT design meets requirement of multi-orientation installation, patented MPPT algorithm increases power generation

# Technical Specifications

DC INPUT	SPI1500-B2	SPI2000-B2	SPI3000-B2	SPI3600-B2	SPI4000-B2	SPI4600-B2	SPI5000-B2	SPI6000-B2
Max input PV power(kW)	2.025	2.7	4.05	4.86	5.4	6.21	6.75	8.1
Max input DC voltage (Vdc)	600							
Input start-up voltage (Vdc)	120							
MPPT Voltage Range (Vdc)	100-550							
Min input DC operating voltage range (Vdc)	125-	165	150	180	200	230	250	300
No. of MPPTs/ Total Input String(s)	1/1			2/2				
Max. PV Input Current (A)	13.2			13.2/13.2				
Max. PV Input Short Circuit Current (Isc)	16.5			16.5/16.5				
MPPT Efficiency	99.9%							
Maximum B Backfeed Current to Array (A)	0							

## AC OUTPUT

Nominal AC Output Power (kW)	1.5	2	3	3.6	4	4.6	5	6
Rated output apparent power (VA)	1500	2000	3000	3600	4000	4600	5000	6000
Maximum Output Power (kVA)	1.65	2.2	3.3	3.96	4.4	5.06	5.5	6.6
Nominal AC Voltage (Vac)	230							
Rated Output Current (A)	6.5	8.7	13.0	15.7	17.4	20.0	21.7	26.0
Maximum Output Current (A)	6.5	8.7	13.0	15.7	17.4	20.0	21.7	26.0
Maximum Output Short Circuit Current (A)	20	23	25	32	32	32	32	40
Nominal Grid Frequency (Hz)	50/60							
Grid Frequency Range (Hz)	45-53/55-65							
Power Factor	>0.99 (full load)							
PF Adjustable Range	0.8 (leading)-0.8 (lagging)							
THDI	<3% (nominal power)							

## EFFICIENCY

Inverter max efficiency	98.1%	98.1%	98.1%	98.3%	98.3%	98.3%	98.3%	98.3%
European Efficiency	97.7%	97.7%	97.7%	97.9%	97.9%	97.9%	97.9%	97.9%

## PROTECTION

Anti-islanding	Yes							
Smart Feed-in Control	Yes (via Smart Meter)							
DC Reversed Connection	Yes							
AC Short Circuit	Yes							
Leakage Current Protection	Yes							
Surge Protection	Yes							
DC Switch	No (Optional)							
PV Fault Detect	Yes							
Standard & Certification (upon request)	IEC62109-1/-2, EN62109-1/-2, AS4777.2							

## OTHERS

Dimension (W×H×D) (mm)	360×420×125							
Weight (kg)	11.8			12.6				
IP rating	IP65							
Inverter design	Transformerless							
DC Connectors	D4B							
Noise emission (typical)(dB)	≤25							
Self Power Consumption at Night	<1 W							
Cooling Mode	Natural cooling							
Maximum Operating Altitude	3000m (>2000m derating)							
Operating Temperature Range (°C)	-30 to 60°C (derate at 45°C)							
Operating Humidity Range	0-100% (Non-condensing)							
Display	LCD display+LED indicator							
Communication	RS485 /WIFI(optional)/GPRS(optional)/DRM (Australia)							

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\*Specifications are subject to change without notice

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