



String Inverter

SPI-BHV Series (14~28kW)

- » High efficiency, up to 98.4%
- » Easy monitoring
- » Advanced design for reliability assurance

Efficient and Flexible:

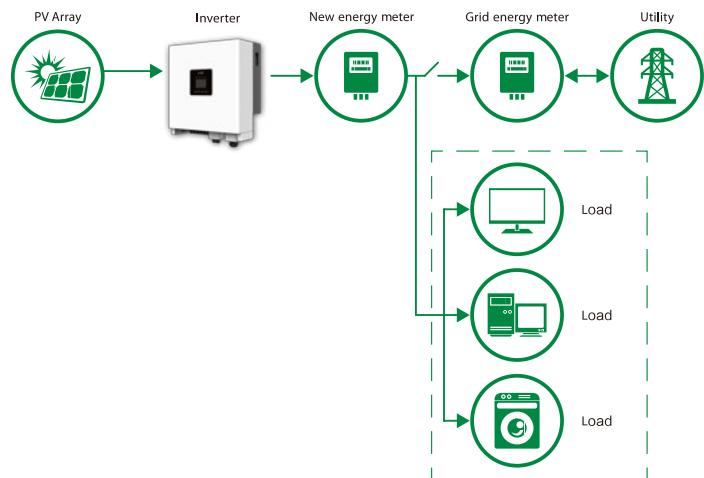
- Wide MPPT range 300~950V
- Peak efficiency up to 98.4%, transformerless
- 2 independent MPPT
- Precise MPPT algorithm achieve 99.9%, more generation

Excellent Performance:

- Power factor adjustable (± 0.8)
- Grid-friendly with LVRT and accept grid dispatching
- IP65 for outdoor application
- Operating temperature range, -25~60°C

High Reliability:

- Double working power double resource supply for redundant
- Best components ensure reliability and long life
- DC reverse connection & AC short circuit protection
- Sensitive current leakage protection
- DC & AC lightning protection



User Friendly:

- 3.5-inch intelligent color LCD
- RS485/Wi-Fi/SNMP/USB for option, easy monitoring
- Plug and play connection unit
- Wall mounted, quick installation and easy maintenance

Technical Specification:

Items	SPI14K-BHV	SPI28K-BHV
Input		
Max. PV Power (W)	15400	30000
Max. PV Input Voltage (Vdc)	1000	
Startup Voltage (Vdc)	290	
MPPT Voltage Range (Vdc)	300~950	
MPPT Voltage Range for Nominal Power (Vdc)	480~800	
No. of MPPTs	2	
Max. Number of PV Strings per MPPT	2	3
MPPT Efficiency	99.90%	
Output		
Nominal AC Output Power (W)	14000	28000
Max. AC Output Current (A)	16.8	33.7
Nominal AC Voltage (Vac)	3/N/PE, 480	
AC Voltage Range (Vac)	3/N/PE, 480	
Nominal Grid Frequency (Hz)	50/60	
THDi	<3% (nominal power)	
DC Current Injection (mA)	<155	
Power Factor	>0.99@default value at nominal power ±0.8	
System Data		
Max. Efficiency	98.40%	
Max. European efficiency	98.00%	
Standby consumption (W)	5	
Night power consumption (W)	0	
Display	3.5 -inch LCD color screen	
Communication	RS485/USB/WIFI	
DC connection type	MC4	
AC connection type	Terminal connector	
Safety	EN62109-1, EN62109-2, IEC62109-1, IEC62109-2	
EMC	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4	
Dimensions (W×H×D) (mm)	510×265×630 (forced air)	
Weight (kg)	43	45
Mounting Method	Wall bracket	
Protection		
Anti-islanding Protection	Yes	
LVRT	Yes	
DC Reverse Connection Protection	Yes	
AC Short Circuit Protection	Yes	
Leakage Current Protection	Yes	
DC Switch	Yes (option)	
DC Fuse	Yes	
Overcurrent Protection	Yes	
PV Fault Detect	Yes (option)	
DC Lightning Protection	Yes	
AC Lightning Protection	Yes	
Over Temperature Alarm/Protection	Yes	

- Specifications are subject to change without prior notice.