

## Three-phase On-grid String Inverter

SPI125K-B-H/SPI160K-B-H



### Features

#### High Efficient

- 3-level topology, maximum conversion efficiency up to 99.00%

#### Safe and Reliable

- Outdoor IP65 dustproof and waterproof design, no derating below 3,000m
- Integrated AC&DC SPD, full aspect protect the unit
- Full industrial grade electronic component to ensure 25 years of full life cycle PV power plant operation

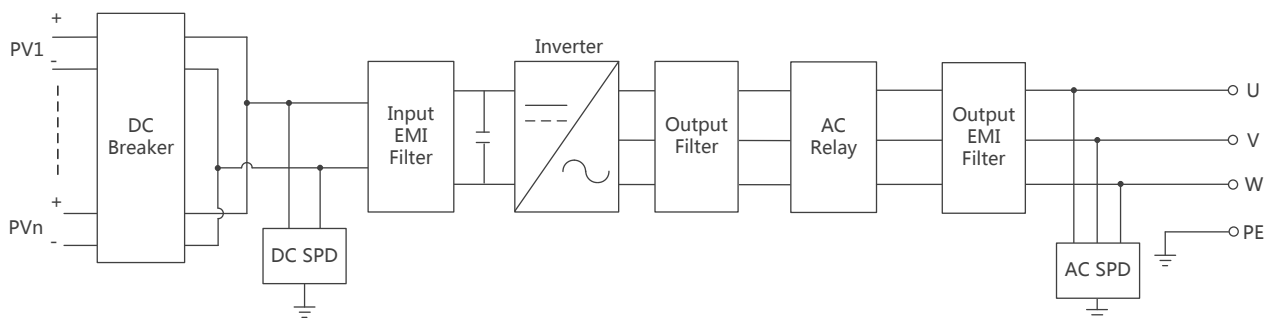
#### Intelligent Management

- Intelligent fault recording function for faster analysis
- Support RS485, GPRS and WIFI communication modes
- Intelligent online upgrade function for easy management
- Support local maintenance by phone, easy to operate

#### Grid Friendly

- On-grid current harmonics <3%, green and high grid adaptability

### Function Diagram



## Technical Specification

Items	SPI125K-B-H	SPI160K-B-H
<b>DC Input</b>		
Max. Input Voltage	1500V	
Max. Input Current	180A	
No. of Input Channels	12 (standard MC terminal) /1 (optional OT terminal)	16 (standard MC terminal) /1 (optional OT terminal)
No. of MPPTs	1	
MPPT Voltage Range	730Vdc-1300Vdc	900Vdc-1300Vdc
Start Up Voltage	600Vdc	
MPPT Efficiency	99.90%	
<b>AC Output</b>		
Nominal AC Output Power	125kW	160kW
Max. Output Power	125kW	160kW
Max. Output Current	150.4A	153.9A
Rated Grid Voltage	480Vac	600Vac
Nominal Grid Frequency	50Hz/60Hz	
Grid Frequency Range	45~55Hz/55~65Hz	
Power Factor	>0.99	
PF Adjustable Range	0.8 (leading) ~ 0.8 (lagging)	
THDi	<3% (rated power)	
<b>Efficiency</b>		
Max. Efficiency	99.0%	
European Efficiency	98.5%	
<b>Other Functions</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	Yes	
<b>Basic Parameter</b>		
Dimensions (W×H×D)	700*870*310mm	
Weight	80kg	
IP grade	IP65	
Noise Emission (typical)	65dB	
Self-consumption at Night	<1W	
Cooling	Intelligent forced cooling	
Altitude	4,000m (>3,000m derating)	
Operating Temperature Range	-35-60°C (45°C derating)	
Operating Humidity	0-95% (non-condensation)	
Display	LED+WIFI, APP (local O&M)	
Communication	RS485 (standard) Ethernet/WIFI/GPRS (optional)	
DC Terminal	MC terminal (standard)/OT terminal (optional)	
AC Terminal	OT terminal	
Installation	Wall-mounted	
Compliance with Standards	IEC62109-1, IEC62109-2, NB/T 32004-2018	

\*Specifications are subject to change without prior notice.