

Containerized Central PV Inverter for 1500V System

SPI3125K-B-H/SPI3400K-B-H



Product Features

High performance

- 3-level technology, max. conversion efficiency up to 99.00%
- 1.1 times long-term overload at 45°C , full load operation at 50°C

Safety and reliability

- Anti-PID function to ensure power generation
- Intelligent fan speed control and fault detection for system reliability
- IP54 design, adapt to high temperature, salt, and extreme cold etc. environment

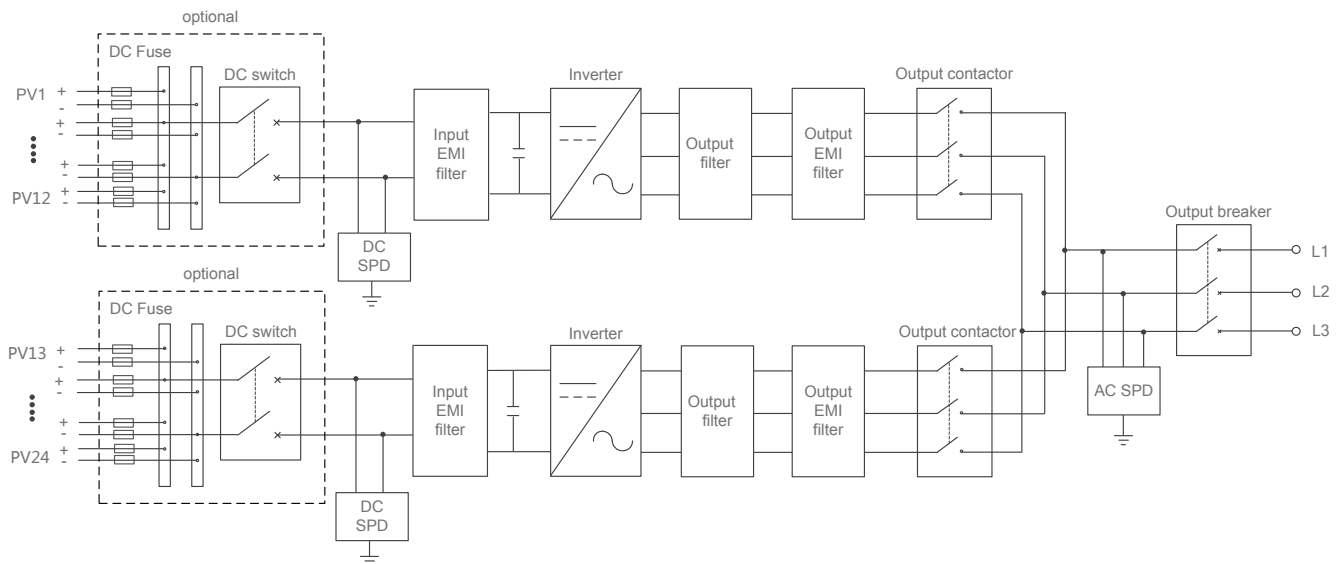
Advanced intelligence

- Intelligent fault recording function for fast analysis
- Intelligent online upgrade function for easy management

Saved investment

- DC 1500V system, low system cost
- Modular and compact product design
- AC side parallel technology for splitted two-winding Transformer

Function Diagram



Technical Specifications

Items	SPI3125K-B-H		SPI3400K-B-H	
DC Input				
Max. PV input voltage	1500Vdc			
Max. PV input current	2x1960A		2x1993A	
No. of PV input strings	24~30 optional			
No. of MPPTs	2			
MPPT voltage range	900V~1300V		945V ~ 1300 V	
Starting voltage	940Vdc		985 Vdc	
MPPT efficiency	99.90%			
AC Output				
Rated AC output power	3125kW		3400kW	
Max. output power	3437kW at 45°C/3594kW at 25°C/3125kW at 50°C		3740kW at 45°C/3908kW at 25°C/3400kW at 50°C	
Max. output current	3458A		3458A	
Rated output voltage	600V		660V	
Output voltage range	±10%			
Rated grid frequency	50Hz/60Hz			
Grid frequency range	±5%			
Power factor	>0.99 (rated power)			
PF adjustable range	0.8 leading ~0.8 lagging			
THDi	<3% (at rated power)			
Inverter efficiency				
Max. efficiency	99.00%			
European efficiency	98.70%			
Others				
LVRT function	Yes			
AC side parallel technology	Yes			
Fault wave record diagnosis	Yes			
Online upgrade	Yes			
Night SVG function	Optional			
Anti-PID function	Optional			
General data				
Dimensions (W×H×D)	2991×2591×2438mm			
Weight	4500kg			
IP grade	IP54			
Self-consumption at night	<160W			
Cooling type	Intelligent forced air cooling			
Altitude	5000m (>3000m derating)			
Operating temperature range	-35°C ~60°C			
Relative humidity	0~95%, no condensation			
Display	LCD			
Communication	RS485, Ethernet (optional)			

*Specifications are subject to change without prior notice.