1500Vdc System Outdoor Products

Outdoor Central PV Inverter for 1500V System
SPI3125K-B-HUD

Product Features

High performance
- 3-level technopology, max. efficiency up to 99.02%
- 115% long-term overload at 30°C, full load operation at 50°C

Safety and reliability
- Adapt to environment of high temperature, salt, and extreme cold etc.
- IP65 protection, C5 anti-corrosion grade
- Intelligent fan speed control and fault detection for system reliability
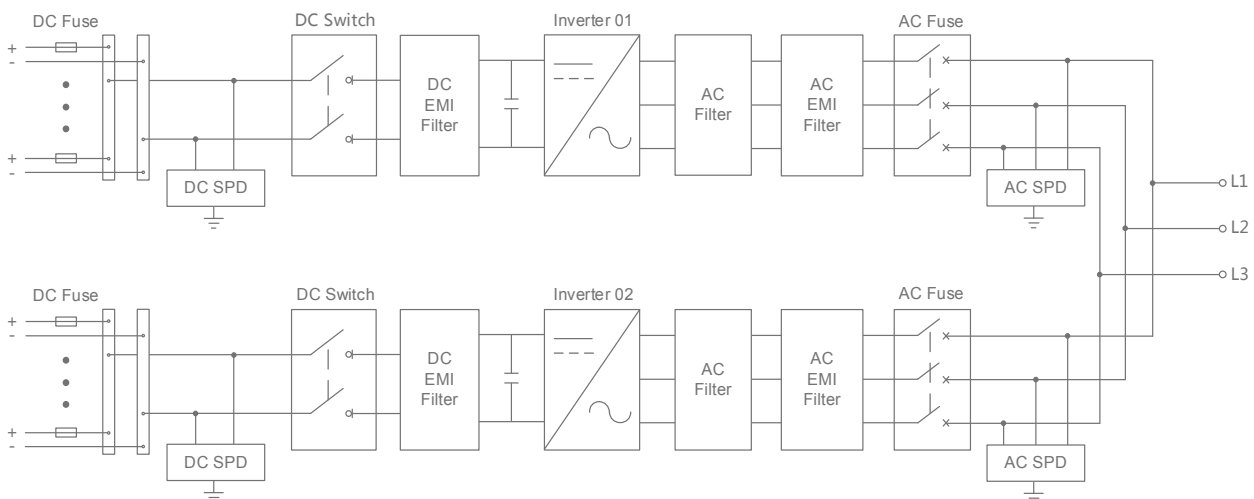- Anti-PID function to ensure power generation

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

Function Diagram

Technical Specification

Items	SPI3125K-B-HUD
DC Input	
Max. PV input voltage	1500Vdc
Max. PV input current	3992A
No. of PV input strings	16~20 optional
No. of MPPTs	1 (2 MPPTs optional)
MPPT voltage range	875~1500Vdc
Starting voltage	915Vdc
MPPT efficiency	>99.9%
AC Output	
Rated AC output power	3125kW
Max. output power	3438kVA
Max. output current	3308A
Rated AC output voltage	600V
Rated grid frequency	50Hz/60Hz
Grid frequency range	47.5~52.5Hz
Power factor	>0.99 (at rated power)
PF adjustable range	0.8 leading~0.8 lagging
THDi	<3% (at rated power)
Efficiency	
Max. efficiency	99.02%
European efficiency	98.55%
Protection	
LVRT function	Yes
AC side parallel technology	Yes
Fault wave record diagnosis	Yes
Online upgrade	Yes
Night SVG function	Yes
Anti-PID function	Optional
General	
Dimensions (W×H×D)	2150×2260×1190mm
Weight	2700kg
IP grade	IP55
Cooling type	Intelligent forced air cooling
Altitude	5000m (>3000m derating)
Operating temperature range	-35ºC~60ºC
Relative humidity	0~100%
Display	LCD
Communication	Ethernet (standard) / RS485 (optional)
Standard	NB/T32004-2018, Q/GDW1617-2015, GB/T37408-2019, CNCA/CTS0002-2014, IEC62109-1, IEC62109-2, EN61000-6-2, EN61000-6-4, IEC61727, IEC62116, IEC60068, IEC60529, IEC61683

● Specifications are subject to change without prior notice.