

SPI Series 1500V Outdoor Central Inverter

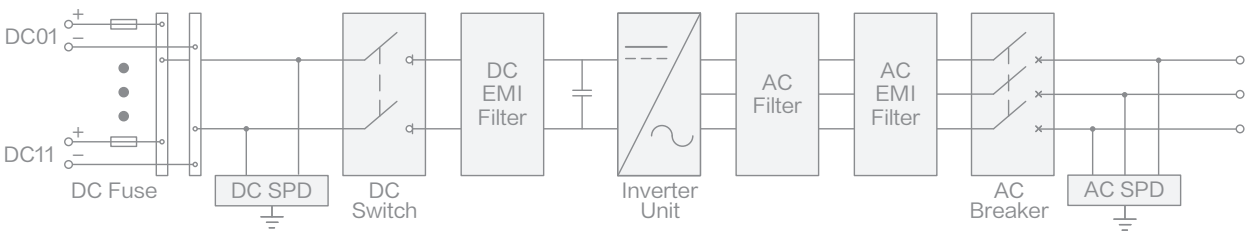
SPI2200K-B-HUD/SPI2400K-B-HUD/
SPI2500K-B-HUD



Product Features

- Higher Power Generation**
 - 3-level topology, Max. efficiency >99%
 - Integrated PID recovery
 - Ultra-wide full-load MPPT range
- Stable & Reliable**
 - IP65 + C5 anti-corrosion
 - Liquid-air hybrid cooling
 - 24h AC/DC insulation detection
- Smart O&M**
 - Fault recording & component life prediction
 - Modular plug-and-play design
 - One-click whole-station online
- Cost-saving**
 - 1.4m² ultra-high power density
 - Night SVG function
 - Flexible 2.2~10MW sub-array combination

Circuit Diagram



Technical Specifications

Product Model	SPI2200K-B-HUD		SPI2400K-B-HUD	SPI2500K-B-HUD
DC Input (PV)				
Max. PV input voltage	1500Vdc			
Startup input voltage	905Vdc			
MPP voltage range	895~1500Vdc			
No. of MPP inputs	1			
No. of DC inputs	10~11			
Max. PV input current	2759A	3010A	3135A	
AC Output (On-grid)				
Rated AC output power	2200kW	2400kW	2500kW	
Max. Apparent Power	2420kVA	2640kVA	2750kVA	
Max. Output Current	2218A	2419A	2520A	
Rated Grid Voltage	630V			
Rated Grid Frequency	50Hz/60Hz			
Power Factor	>0.99 (Rated Power)			
PF Adjustable Range	0.8 leading~0.8 lagging			
THDi	<3%(Rated Power)			
Inverter Efficiency				
Max. Efficiency	99.0%			
EU Efficiency	98.7%			
Protection & Function				
LVRT & HVRT	Yes			
Fault Recording & Diagnosis	Yes			
Online Upgrade	Yes			
PID Recovery	Yes			
Night SVG	Yes			
Basic Parameters				
Dimensions (W×H×D)	1000×2450×1400mm			
Weight	1670kg			
Protection Grade	IP65			
Cooling Method	Intelligent Liquid-air Hybrid Cooling			
Max. Operating Altitude	2000m (>2000m Customized)			
Operating Temperature	-35℃ ~60℃			
Operating Humidity	0~100% (Non-condensing)			
Display	LED Indicator , WiFi+Mobile APP			
Communication	Ethernet/RS485			
Compliant Standards	NB/T32004-2018,GB/T19964-2024, IEC 62109, IEC 61727, IEC 62116, IEC 60068, IEC 61683			

■ Specifications are subject to change without prior notice

