



Central Three-phase PV Inverter

SPI500K-B/SPI630K-B
SPI1000K-B/SPI1260K-B

High efficiency:

- Advanced three-level topology, maximum conversion efficiency 99%
- 50°C 1.1 times long-term overload, 55°C full load operation

Safe and reliable:

- Adapt to high altitude, high temperature, extreme cold and other complex environment
- Intelligent fan speed control and fault detection, improve system reliability
- PID repair function to ensure power generation

Lean intelligence :

- Intelligent fault recording function, quick failure analysis
- Intelligent online upgrade function, easy system upgrade and maintenance management



Cost saving :

- High power density in 0.6m², reducing system land cost
- Turnkey products, easy to install and debug on site (container)
- Support AC side parallel at transformer primary side
- Modular design, saving operation and maintenance cost

Technical Specification:

Items	SPI500K-B	SPI630K-B	SPI1000K-B	SPI1260K-B
DC Input				
Max. PV Power (kW)	560	710	2×560	2×710
Max. PV Input Voltage (Vdc)	1000		1000	
Max. DC Current (A)	1200	1350	2×1200	2×1350
PV Input Strings Number	6	8	2×6	2×8
No. of MPPTs	1	1	2	2
MPPT Voltage Range (Vdc)	460~850	520~850	460~850	520~850
Start Up Voltage (Vdc)	480	540	480	540
MPPT Efficiency	99.90%		99.90%	
AC Output				
Nominal AC Output Power (kW)	500	630	1000	1260
Max. Output Power (kW)	550	693	1100	1386
Max. Output Current (A)	1008	1111	2016	2222
Nominal AC Voltage (Vac)	315	360	315	360
Nominal Grid Frequency (Hz)	50/60		50/60	
Power Factor (nominal power)	>0.99		>0.99	
PF Adjustable Range	0.9 (leading)~0.9 (lagging)		0.9 (leading)~0.9 (lagging)	
THDi	<3% (nominal power)		<3% (nominal power)	
Efficiency				
Max. Efficiency	99.00%	99.00%	99.00%	99.00%
European Efficiency	98.70%	98.70%	98.70%	98.70%
Other				
LVRT Function	Yes		Yes	
AC Side Parallel Technology	Yes		Yes	
PID Repair	Yes		Yes	
Fault Wave Record Diagnosis	Yes		Yes	
Online Upgrade	Yes		Yes	
System Data				
Dimensions (W×H×D) (mm)	800×2000×800		2438×2591×1150	
Weight (kg)	700		2800	
IP Grade	IP20		IP54	
Night Consumption	<20W		<40W	
Cooling	Intelligent forced air cooling		Intelligent forced air cooling	
Altitude	6000m (>3000m derating)		6000m (>3000m derating)	
Operating Temperature Range (°C)	-35~60		-35~60	
Operating Humidity	0~95% (Non-condensation)		0~95% (Non-condensation)	
Display	LCD		LCD	
Communication	RS485, Ethernet (optional)		RS485, Ethernet (optional)	

- Specifications are subject to change without prior notice.