



Central Inverter 120V

SPI Series (50-100kW)

- » Super grid adaptability and stability
- » DSP control technology digital driving technology
- » High adaptability with output isolation transformer

High Reliability:

- With isolation transformer for SPI-A series
- Water, Dust & Corrosion resistance design for control board
- DSP control technology digital driving technology
- LVRT function, strong adaptability to the grid

Green Saving:

- High efficiency up to 96.6%
- MPPT efficiency more than 99%
- Low interference to grid, output THDI: <2.6%; PF: 0.99

Intelligent Management:

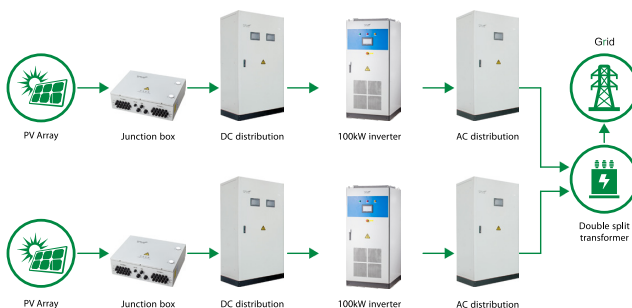
- Support SVG function, realize reactive power compensation at night
- Active and reactive power scheduling
- Power factor ahead 0.9 ~ lags 0.9 adjustable continuously

Flexible Design:

- Super wide MPPT voltage range, DC input voltage up to 880V
- Convenient wiring compartment and cable connection
- High power density, easy to install and maintenance

Value Added Service:

- SPI monitor software
- Environmental monitor
- SPB series Junction box
- Anti-reflux controller
- Customization available



Central Inverter Low Voltage

Index	SPI50KA-A	SPI70KA-A	SPI100KA-A
Input Data			
The maximum DC input power (KW)	55	77	110
The maximum DC input voltage (VDC)	880		
The maximum DC input current (A)	125	171.5	245
MPPT range (V)	450~850		
Output Data			
Rated AC output power (KW)	50	70	100
Rated grid voltage (V)	120 (L1, L2, L3, N)		
Allow grid voltage (V)	160 ~ 220 (L-L)		
Rated AC Frequency (Hz)	50/60Hz		
Total harmonic distortion THD	<2.6%	<2.5%	<2.4%
Power factor	>0.99 (full load)		
Efficiency			
The maximum Efficiency	96.20%	96.40%	96.60%
Europe Efficiency	95.40%	95.60%	95.80%
Others			
IP Grade	IP20		
Environment temperature	-25°C~ +55°C (>40°C derating)		
Humidity	0~95%		
Altitude	<2000m (>2000m derating)		
Protection	DC input overvoltage, low voltage protection, over temperature protection, output overvoltage, island fault protection		
Dimension(WxDxH)(mm)	800×800×1850		
Weight(kg)	510	740	750

- Specifications are subject to change without prior notice.
- 277V/480V On-grid inverter for South and North American Markets are available for customization.

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