



Power Systems

SPI-A/B Series

Three Phase Isolated (50-500kVA)

PV On - Grid Inverter



Features

- Digital DSP control.
- MPPT control, track maximum output power of PV panels In time.
- Sine wave output, automatically synchronize with grid, with small content of current harmonics, without pollution and surge to grid.
- Disturbance detection technology, realize anti-island protection.
- Perfect protection function, high reliability.
- LCD touch-screen display.
- Data communication through RS485 port of computer to realize monitoring of operation status.
- Maximum conversion efficiency could achieve 95%



SPECIFICATION

Parameters	Model	SPI50K-A	SPI100K-A	SPI250K-A	SPI500K-B
Input Data					
Max. DC Input Power (KW)		55	110	275	550
Max. DC Input Voltage (VDC)		880		1000	
Max. DC Input Current (A)		125	245	600	1200
MPPT Voltage Range (V)		470~850		450~820	
Output Data					
Reted AC Output Power (KW)		50	100	250	500
Rated AC Voltag (Three Phase) (V)		380/400/415 (±15%)			270±15%
Rated AC Frequency (Hz)		50/60		47.5~51.5	
Total Harmonic Distortion		<3%			
Power Factor		>0.99 (At full load operation)			
Efficiency					
Max. Efficiency		96.50%	96.90%	97%	96.50%
Europe Efficiency		95.70%	96.40%	96.50%	96.30%
Other					
Protection Level		IP20			
Operating Ambient Temperature		-20°C~+50°C		-20°C~+55°C	
Operating Ambient Humidity		0~95%		15~95%	
Protection		DC over-voltage protection, Low voltage protection, Over temperature protection, Output over-voltage protection, Anti-islanding protection			
Reference Dimension (W x D x H) (mm)		800 x 800 x 1800		1800 x 800 x 2120	1800 x 800 x 2003
Reference Weinht (Kg)		630	850	1200	970
Communication Port		RS485			

Specification are subject to change without prior notice.



Uninterruptible Power Supplies

