



Central inverter

Characteristics:

- 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%.



Technical Specification:

Model	SPI10k-A	SPI20k-A	SPI30k-A	SPI40k-A	SPI50k-A	SPI70k-A	SPI100k-A	SPI250k-A	SPI500k-B
Input Data									
Max. PV Array Power (kW)	11	22	33	44	55	77	110	275	550
Max. PV Array Open Circuit Voltag (VDC)	880							1000	
Max. DC Current (A)	24.5	49	94	98	125	171.5	245	600	1200
MPPT Range (V)	450 ~ 850							520~850	
Output Data									
Rated Output Power (kW)	10	20	30	40	50	70	100	250	500
Rated Grid Voltage (V)	380								270/315
Allow grid voltage (V)	310 ~ 450								
Rated AC Frequency (Hz)	50/60Hz								
Total harmonic distortion THD	<2.6%	<2.5%	<2.4%	<2.7%	<2.6%	<2.5%	<2.4%	<3%	<3%
Power factor	>0.99 (@Full load)								
Efficiency									
The maximum Efficiency	0.938	0.942	0.954	0.952	0.962	0.964	0.966	0.97	0.981
Europe Efficiency	93.08%	0.9338	0.943	0.941	0.957	0.96	0.962	0.965	0.976
Others									
IP rating	IP20								
Environment temperature	-25℃~ +55℃ (>40℃ derating)								
Humidity	0~95%								
Altitude	<2000m (>2000m derating)								
Protection	DC input overvoltage, lack of voltage protection, over temperature protection, output overvoltage, island fault protection								
Dimension (W×D×H)(mm)	600×600×1250			800×800×1800				1800×800×2000	2000×800×2000
Weight(kg)	210	238	480	500	510	740	750	1950	1600
Communication ports	RS485/Ethernet (Optional) /GPRS/ (Optional)								

◆ 120V/208V 277V/480V On-grid inverter for South and North American Markets are available for customization.

◆ We reserve the right of modifying specification and appearance.