



Three-phase On-grid Inverter

SPI500K-B/SPI1000K-B

- » Maximal power density, minimal footprint
- » Rapid troubleshooting with fault Recorder
- » Anti PID with repair function ensure the power generation

Leading technology:

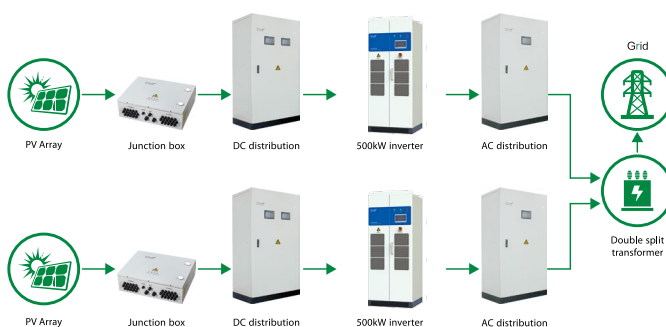
- Three level inverter technology, maximum efficiency 99%
- Advanced MPPT algorithm, efficiency > 99.9%
- High power density, modular design

High Reliability:

- DSP+CPLD control, higher precision, better technical data
- Automatic grid synchronization, small current harmonic
- Wide temperature range designed for harsh environment

Comprehensive functions :

- Low/zero voltage ride through--LVRT function
- Active and reactive power scheduling for solar farm
- Integrated DC power distribution, which diode and monitoring optional



Flexible Design:

- Easy installation, operation and maintenance design
- Large color screen display, touch settings
- Suitable for mono-crystal, poly-crystal and thin film PV panels application



Technical Specification:

Items	SPI500K-B	SPI1000K-B
Input		
Max. PV Array Power (kW)	560	1120 (560X2)
Maximum PV array Voc (Vdc)	1000	1000
Maximum DC current (A)	1200	1200X2
PV input strings number	8	8X2
MPPT number	1	2
MPPT voltage range (Vdc)	460~850	
Start-up voltage (Vdc)	480	
MPPT efficiency	99.90%	
Output		
Rated output power (kW)	500	500X2
Rated output current (A)	916	916X2
Maximum output current (A)	1008	1008X2
THDi	<3%	
Power factor	-0.9~+0.9 adjustable	
Grid voltage rating (Vac)	315	
Rated frequency (Hz)	50/60	
Night loss (W)	<50W	<100W
Standby loss (W)	<80W	<160W
Low/zero voltage ride through--LVRT	Yes	
Efficiency		
Max efficiency	99%	
European efficiency	98.70%	
Others		
Communication interface	RS485 / Ethernet(optional)	
HMI	Touch screen	
Dimension(WXHxD) (mm)	800X2000X800	2438X2591X1150
Weight (kg)	850	3500
IP Grade	IP20	IP54
Cooling	Forced air cooling	
Environment temperature (°C)	-30~+60°C	
Humidity	0~95%, no condensation	
Altitude	6000m (>3000m, derating)	

- Specifications are subject to change without prior notice.

Xiamen Kehua Hengsheng Co., Ltd.

Add: No. 457, Malong Road, Torch High-Tech Industrial Zone, Xiamen Fujian China

Tel: +86-592-5160516 Fax: +86-592-5162166 www.kehua.com