

# SPI 8-12KW



### Product Features

- -SP model can connect 6 devices in parallel
- Support dual activation of lithium-ion battery BMS
- Dual MPPT, efficiency up to 99.9%
- Beautiful appearance, easy installation, and convenient use
- Charging current up to 260A
- Comprehensive security protection from hardware to software
- 400V three-phase power system, suitable for large equipment

## Technical parameters

Model	SPI-8K-H3	SPI-10K-H3	SPI-12K-H3
<b>Inverter output</b>			
Rated output power	8,000W	10,000W	12,000W
peak power	16,000W	20,000W	24,000W
Rated output voltage	400Vac, three-phase		
Motor load capacity	5HP	6HP	
output frequency	50/60Hz		
Output voltage waveform	Pure sine wave		
Conversion time	10ms (Typical values)		
<b>Battery</b>			
Battery Type	Lithium ion battery/Lead acid battery/User defined		
Rated battery voltage	48Vdc		
Battery voltage range	40 ~ 60Vdc		
Maximum photovoltaic charging current	180A	220A	260A
Maximum mains/generator charging current	100A	120A	120A
Maximum hybrid charging current	180A	220A	260A
<b>Photovoltaic input</b>			
MPPT channels	2		
Maximum photovoltaic input power	6,000W+6,000W	7,500W+7,500W	9,000W+9,000W
Maximum input current	22A+22A		
Maximum open circuit voltage	800Vdc+800Vdc		
MPPT voltage range	200 ~ 650Vdc		
<b>Municipal power/generator input</b>			
Municipal power/generator input	Phase voltage 170~280V, Line voltage 305~485V		
Input frequency	50/60Hz		
Bypass overload phase current	23A	29A	35A
<b>Basic parameters</b>			
size	620*445*130mm		
weight	27kg		
Protection level	IP20, Indoor only		
Operating temperature range	-10~55°C,>45°C Derating		
Cooling method	Air Cooling		
Warranty time	18 months		
<b>Communication parameters</b>			
Built-in interface	RS485 / CAN / USB / Dry Contact		
External module (optional)	Wi-Fi / GPRS		