

# SPI-20K-H3P

Solar storage inverter



## Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 36A+36A PV input current

## Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

## All in one

- Up to 360A charging current
- Supports Li-ion battery BMS communication

## Reliable

- Outputs high-quality pure sine wave AC power
- Up to 20kW load power for most household needs
- 2 charging modes are available

## User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

## Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost
- Energy saving mode function

# SPI



House



Farm



Telecom



Countryside



Island



Pasture

Application scenario



## Product Parameters

Model	SPI-20K-H3P
<b>Inverter Output</b>	
Rated Output Power	20,000W
Max. Peak Power	22,000W
Rated Output Voltage	29.0A
Load Capacity Of Motors	230/400Vac , Three-phase
Rated AC Frequency	50Hz/60Hz
Output Waveform	pure sine wave
Number of Parallel	1~6 units
<b>Battery</b>	
Battery Type	Li-ion / Lead-acid / User-defined
Rated Battery Voltage	48Vdc
Voltage Range	40~60Vdc
Max. Mppt Charging Current	360A
Max. Mains/generator Charging Current	360A
Max. Hybrid Charging Current	360A
<b>PV Input</b>	
Num. Of MPPT Trackers	2
Max. PV Array Power	15000W/15000W
PV Input Current	36A <sub>dc</sub> /36A <sub>dc</sub>
Max. PV Input Voltage	1000Vdc
Mppt Voltage Range	160Vdc~800Vdc
<b>Grid /generator Input</b>	
Input Voltage Range	230/400Vac (Three-Phase)
Frequency Range	50Hz/60Hz
AC Voltage Range	Phase voltage 170~280V, Line voltage 305~485V
<b>General</b>	
Dimensions	593.4x803.4x215mm
Weight	50kg
Protection Degree	IP20, indoor only
Operating Temperature Range	-10~55°C, >45°C derated
Noise	<60dB
Cooling Method	air cooling
Warranty	18 months
<b>Communication</b>	
Embedded Interfaces	RS485 / CAN / USB / Dry Contact
External Modules (Optional)	Wi-Fi / GPRS