

# HPI-6K-SP

Solar storage inverter



## Efficiency

- 2 High-Efficiency MPPT Input, efficiency up to 99.9%
- Up to 22A+22A PV input current

## Safety

- Comprehensive security from hardware to software
- Multiple safety certifications
- Rated IP65, suitable for outdoor use

## All in one

- Up to 135A charging current
- Support Li-ion battery BMS communication

## Reliable

- Outputs high quality pure sine wave AC power
- 6kW 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

# HPI



House



Farm



Telecom



Countryside



Island



Pasture

Application scenario



## Product Parameters

Model		HPI-6K-SP	
<b>AC Output</b>			
Rated Output Power	6,000W		
Max. Peak Power	2 times of rated power,10s		
Rated Output Voltage	230Vac (200/208/220/230/240Vac Settable)		
Rated Output Current	26.1Aac		
Rated Frequency	50Hz / 60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (Typical)		
<b>Battery</b>			
Battery Type	Lithium-ion / Lead-acid / User-defined Battery		
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40Vdc ~ 60Vdc		
Max. Discharging Current	135Aac		
Max. Grid/Generator Charging Current	135Aac		
Max. PV Charging Current	135Aac		
<b>PV Input</b>			
Num. Of MPPT Trackers	2		
Max. Access Power	12,000W		
Max. PV Input Power	6000W + 6000W		
Max. PV Input Current	22Aac + 22Aac		
Max. Input Short-Circuit Current	33Aac + 33Aac		
Max. Input Voltage	500Vdc / 500Vdc		
PV Start-up Voltage	60Vdc / 60Vdc		
MPPT Operating Voltage Range	65Vdc ~ 450Vdc / 65Vdc ~ 450Vdc		
<b>Grid /Generator Input</b>			
Rated Input Voltage	220Vac / 230Vac		
Input Voltage Range	Grid power (170Vac ~ 280Vac) ±2% Generator power (90Vac ~ 280Vac) ±2%		
Input Frequency Range	50Hz : 47Hz ~ 55Hz, ±0.3Hz 60Hz : 57Hz ~ 65Hz, ±0.3Hz		
Bypass Overload Current	40Aac		
<b>Efficiency</b>			
MPPT Tracking Efficiency	99.9%	Max. Efficiency	97.5%
<b>General Data</b>			
Parallel Capacity	1~6 units		
Dimensions	300*460*217.5mm	MPPT Tracking Efficiency	99.9%
Weight	17.5kg	Cooling Method	Heat sink + intelligent air cooling
Protection Level	IP65	Noise	<55dB
Temperature	-40~60°C, >45°C Derated	Communication Port	RS485/CAN/USB/Dry Contact
Warranty	5 years	External Module	WiFi (Optional)