

# SYP 5K-U

Solar storage inverter



## Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22A PV input current for high power PV module

## Safety

- 360 degrees of security from hardware to software
- IEC safety approvals

## All in one

- Up to 100A charging current

## Reliable

- Outputs high-quality pure sine wave AC power
- Up to 6 units in parallel connection

## 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 with peak-valley

# SYP



Application scenario



## Product Parameters

Model	SYP 5K-U
<b>Inverter Output</b>	
Rated Output Power	5,000W
Max. Peak Power	10,000VA
Rated Output Voltage	120Vac (L/N/PE single-phase)
Load Capacity Of Motors	4HP
Rated AC Frequency	50Hz/60Hz
Waveform	Pure sine wave
Switch Time	10ms (typical)
Num. Of Parallel	1-6 units (single/split/three phase)
<b>Battery</b>	
Battery Type	Li-ion /Lead-acid / User-define
Rated Battery Voltage	48V
Voltage Range	40~60Vdc
Max. Mppt Charging Current	100A
Max. Mains/generator Charging Current	40A
Max. Hybrid Charging Current	100A
<b>PV Input</b>	
Num. Of MPPT Trackers	1
Max. PV Array Power	5,500W
Max. Input Current	22A
Max. Voltage Of Open Circuit	500Vdc
Mppt Voltage Range	120~450Vdc
<b>Utility /generator Input</b>	
Input Voltage Range	90~140Vac
Frequency Range	50/60Hz
Bypass Overload Current	63 A
<b>General</b>	
Dimensions	446.9*350*133mm
Weight	14kg
Protection Degree	IP20, indoor only
Operating Temperature Range	-10°C~55°C
Noise	≤60dB
Cooling Method	Forced air cooling with adjustable air speed
Warranty	18 months
<b>Communication</b>	
Embedded Interfaces	RS485 / USB / Dry contact
External Modules (Optional)	Wi-Fi / GPRS