

SYP 5K-S

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 hybrid 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-S |
|---------------------------------------|--|
| Inverter Output | |
| Rated Output Power | 5,000W |
| Max. Peak Power | 10,000VA |
| Rated Output Voltage | 230Vac (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/three phase) |
| Battery | |
| 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 | 60A |
| Max. Hybrid Charging Current | 100A |
| PV Input | |
| 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 |
| Utility /generator Input | |
| Input Voltage Range | 90~280Vac |
| Frequency Range | 50/60Hz |
| Bypass Overload Current | 40A |
| General | |
| Dimensions | 446.9*350*133mm |
| Weight | 13kg |
| 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 |
| Communication | |
| Embedded Interfaces | RS485 / USB / Dry contact |
| External Modules (Optional) | Wi-Fi / GPRS |