

SPI Series

Solar storage inverter



Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Up to 18+18A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All in one

- Up to 140A charging current
- Supports Li-ion battery BMS communication

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

SPI



House



Farm



Telecom



Countryside



Island



Pasture

Application scenario



Product Parameters

| Model | SPI-4K-UP | SPI-5K-UP | SPI-6.5K-UP |
|---------------------------------------|--|-------------|-------------|
| Inverter Output | | | |
| Rated Output Power | 4,000W | 5,000W | 6,500W |
| Max. Peak Power | 8,000W | 10,000VA | 13,000VA |
| Rated Output Voltage | 120/240Vac(single-phase/split-phase) | | |
| Rated AC Frequency | 50/60Hz | | |
| Waveform | Pure sine wave | | |
| Switch Time | 10ms (typical value) | | |
| Parallel Capacity | 1~6 units | | |
| Battery | | | |
| Battery Type | Lithium-ion battery/lead-acid battery/user-defined battery | | |
| Rated Battery Voltage | 48Vdc | | |
| Battery Voltage Range | 40~60Vdc | | |
| Max. Mains/generator Charging Current | 60A | 60A | 80A |
| Max. Hybrid Charging Current | 100A | 120A | 140A |
| PV Input | | | |
| Num. Of MPPT Trackers | 2 | | |
| Max. PV Array Power | 3000W+3000W | 3800W+3800W | 5000W+5000W |
| Max. Input Current | 18+18A | | |
| Max. Voltage Of Open Circuit | 550Vdc+550Vdc | | |
| Mppt Voltage Range | 150~450Vdc | | |
| Utility /generator Input | | | |
| Input Voltage Range | 65~140Vac | | |
| Frequency Range | 50Hz/60Hz | | |
| Bypass Overload Current | 40A | | |
| Efficiency | | | |
| MPPT Tracking Efficiency | 99.90% | | |
| Max. Battery Inverter Efficiency | 93% | | |
| General | | | |
| Dimensions | 584.6*410*133 mm | | |
| Weight | 18.9kg | | |
| Protection Degree | IP20, for indoor use only | | |
| Operating Temperature Range | -10~55°C,>45°C derating | | |
| Noise | <60dB | | |
| Cooling Method | Intelligent fan | | |
| Warranty | 18 months | | |
| Communication | | | |
| Embedded Interfaces | RS485 / CAN / USB / Dry Contact | | |
| External Modules (Optional) | Wi-Fi / GPRS | | |