

PVH Series Solar storage inverter

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Support Li-ion battery BMS communication

Reliable

- Outputs high quality pure sine wave AC power
- Up to 10kW output power

User-friendly

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

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Application scenario



House



Farm



Telecom



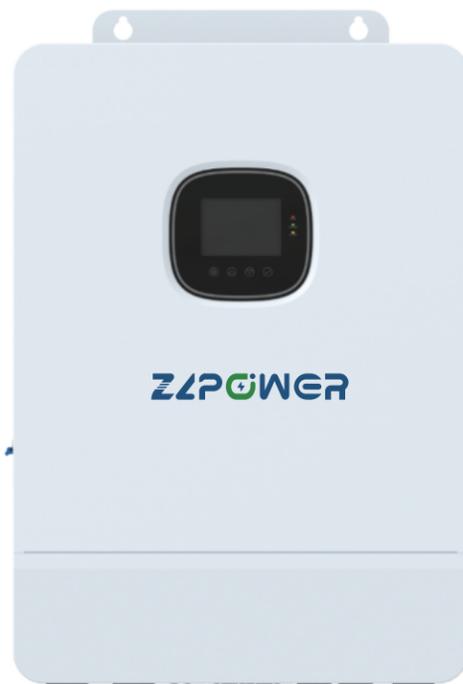
Countryside



Island



Pasture



Specifications

| MODELS | PVH48-10K-SP | PVH48-8K-SP | Can Be Set |
|---|--|-------------|------------|
| INVERTER OUTPUT | | | |
| Rated Output Power | 10,000W | 8,000W | |
| Max. Peak Power | 20,000W | 16,000W | |
| Rated Output Voltage | 120, single-phase / 240V, split-phase | | √ |
| Load Capacity of Motors | 6HP | 5HP | |
| Rated AC Frequency | 50/60Hz | | √ |
| Waveform | Pure sine wave | | |
| Switch Time | 10ms (typical) | | |
| BATTERY | | | |
| Battery Type | Li-ion / Lead-acid / User-defined | | √ |
| Rated Battery Voltage | 48Vdc | | |
| Battery Voltage Range | 40 ~ 60Vdc | | √ |
| Max. MPPT Charging Current | 200A | 180A | √ |
| Max. Mains / Generator Charging Current | 120A | 100A | √ |
| Max. Hybrid Charging Current | 200A | 180A | √ |
| PV INPUT | | | |
| Num. of MPPT Trackers | 2 | | |
| Max. PV Array Power | 5,500W+5,500W | | |
| Max. Input Current | 22A+22A | | |
| Max. Open Circuit Voltage | 500Vdc+500Vdc | | |
| MPPT Voltage Range | 125 ~ 425Vdc | | |
| UTILITY / GENERATOR INPUT | | | |
| Input Voltage Range | 90 ~ 140Vac | | √ |
| Frequency Range | 50/60Hz | | |
| Bypass Overload Current | 63A | | |
| EFFICIENCY | | | |
| MPPT Tracking Efficiency | 99.9% | | |
| Max. Battery Inverter Efficiency | 92% | | |
| GENERAL | | | |
| Dimensions | 620*445*130mm | | |
| Weight | 27kg | | |
| Protection Degree | IP20, indoor only | | |
| Operating Temperature Range | -10~55 C, >45 C derated | | |
| Noise | <60dB | | |
| Cooling Method | Internal Fan | | |
| Warranty | 18 Months | | |
| COMMUNICATION | | | |
| Embedded Interfaces | RS485 / CAN / USB / Dry contact | | √ |
| External Modules (Optional) | Wi-Fi / GPRS | | √ |
| CERTIFICATION | | | |
| Safety | IEC62109-1, IEC62109-2, UL1741 | | |
| EMC | EN61000-6-1, EN61000-6-3, FCC 15 class B | | |
| RoHS | Yes | | |