



PVT 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

Reliable

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- Easy to install and simple to use

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture



Specifications

MODELS	PVT 48-10K-SP	PVT 48-8K-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		