



HYP 6kW

Single-Phase Off-grid Solar Storage Inverter

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 6 units in parallel for 36kW
- Time-slot function to save cost with peak-valley
- Off-grid/without battery output mode
- Aesthetically industrial design appearance
- Support BMS communication

ABOUT SRNE

- SRNE 15 years in PV industry, committed to independent R&D and production.
- Holds over 200 patents in energy storage, with unique industry-leading technologies.
- Chooses top-quality international components to deliver high-value products to customers.
- Upholds values of customer priority, proactivity, responsibility, and innovative breakthroughs.

Model		HYP4860S100-H	
INVERTER OUTPUT			
Rated Output Power	6,200W		
Max. Output Power	12,400VA		
Rated Output Voltage	230Vac (L/N/PE, Single-Phase)		
Load capacity of Motors	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	48V		
Battery Voltage Range	40~60Vdc		
Max. Solar Charging Current	100A		
Max. Grid/Generator Charging Current	80A		
Max. Hybrid Charging Current	100A		
SOLAR INPUT			
Num. Of MPPT Trackers	2		
Max. PV Array Power	4,500W+4,500W		
Max. Input Current	18A+18A		
Max. Open Circuit Voltage	550Vdc+550Vdc		
MPPT Voltage Range	120~480Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	90~280Vdc		
Input Frequency Range	50/60Hz		
Bypass Overload Current	40A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	92%		

GENERAL DATA			
Parallel Capacity	1~6 Units (More than 3 units in parallel can form a three-phase output)		
Dimension	510*350*133mm	Noise	<60dB
Weight	13 kg	Cooling Method	Intelligent fan
Protection Degree	IP20 Indoor Only	Warranty	2 years
Temperature	-10~55°C	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	GPRS	External Module (Standard)	Wi-Fi
Certificate	EN 62109-1/EN 62109-2/NRS097-2-1/EN IEC61000-6-3		

PROTECTION			
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Has PV current/power limiting protection, PV night reverse-current protection, Mains input over voltage protection, Mains input under voltage protection, Battery over voltage protection, Battery low voltage protection, Load output short circuit protection, Heat sink over temperature protection, Overload protection, PV reverse polarity protection, Bypass over current protection, AC reverse protection, Battery input over current protection, Battery input protection, Charge short protection, CAN communication loss protection, Parallel connection error protection, Parallel battery voltage difference protection, Parallel AC voltage difference protection, Parallel current sharing fault protection, Synchronization signal fault protection.