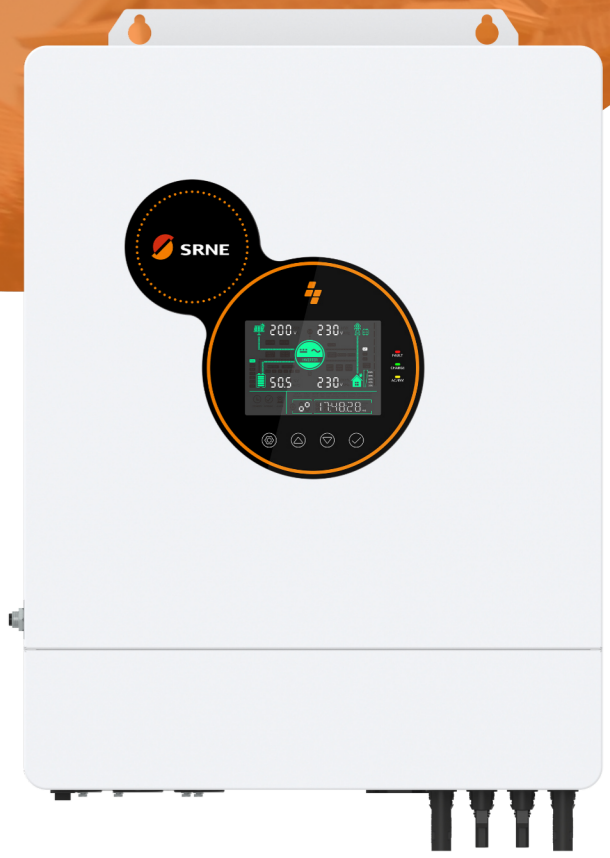
SRNE



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.

SRNE Solar Co,.ltd.
www.srnesolar.com

Green Energy Changes the World

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 Volatge 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		
Temperature	-10~55℃	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

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.