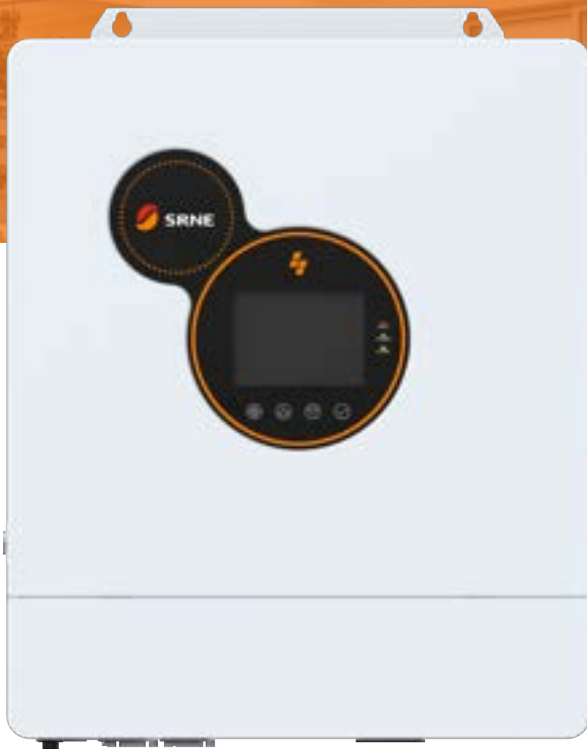


HYP 5kW

Single-Phase Off-grid Solar Storage Inverter

- Compatible with 48V storage batteries
- Up to 6 units in parallel for 30kW
- 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		HYP4850S100-H	
INVERTER OUTPUT			
Rated Output Power	5,000W		
Max. Output Power	10,000VA		
Rated Output Voltage	230Vac (L/N/PE, Single-Phase)		
Load capacity of Motors	4HP		
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	60A		
Max. Hybrid Charging Current	100A		
SOLAR INPUT			
Num. Of MPPT Trackers	1		
Max. PV Array Power	5,500W		
Max. Input Current	22A		
Max. Open Circuit Voltage	500Vdc		
MPPT Voltage Range	120~450Vdc		
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	446.9*350*133mm	Noise	<60dB
Weight	13 kg	Cooling Method	Intelligent fan
Protection Degree	IP20 Indoor Only	Warranty	2 years
Temperature	-15~55°C	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Certificate	EN61000/FCC Part15 ClassB/IEC 62109/IEC 62477/IEC 62040/UKCA/The PSE Circle Mark		

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.