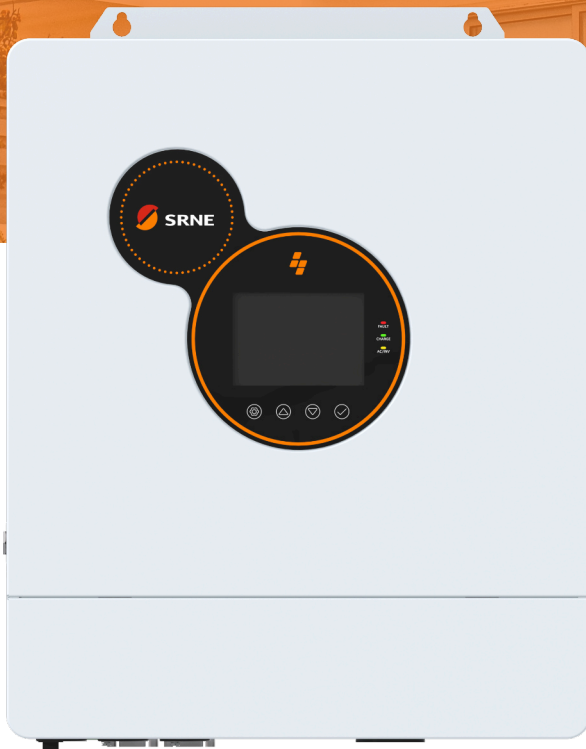


# HYP 5kW

## 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
- Support Single/Split/Three-Phase
- 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		HYP4850U100-H	
<b>INVERTER OUTPUT</b>			
Rated Output Power		5,000W	
Max. Output Power		10,000VA	
Rated Output Voltage		120Vac (L/N/PE, Single-Phase)	
Load capacity of Motors		4HP	
Rated AC Frequency		50/60Hz	
Waveform		Pure sine wave	
Switch Time		10ms (typical)	
<b>BATTERY</b>			
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		40A	
Max. Hybrid Charging Current		100A	
<b>SOLAR INPUT</b>			
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	
<b>GRID/GENERATOR INPUT</b>			
Input Voltage Range		90~140Vdc	
Input Frequency Range		50/60Hz	
Bypass Overload Current		63A	
<b>EFFICIENCY</b>			
MPPT Tracking Efficiency		99.9%	
Max. Efficiency		92%	

<b>GENERAL DATA</b>			
Parallel Capacity	1~6 Units (Single/Split/Three-Phase)		
Dimension	446.9*350*133mm	Noise	<60dB
Weight	14 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.