



# HESP 8-12kW

## Three-Phase Hybrid Solar Storage Inverter

- Compatible with 48V storage batteries
- 2 efficient, independent MPPT ports
- Separate generator port
- Support three-phase pure sine wave output
- Support time-slot function for peak-valley
- IP65 waterproof protection degree

## 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	HESP4880SH3	HESP48100SH3	HESP48120SH3
<b>AC OUTPUT</b>			
Rated Output Power	8,000W	10,000W	12,000W
Max. Output Power	16,000VA	20,000VA	24,000VA
Rated Output Voltage	230/400 Vac (three-Phase)		
Load Motor Capacity	5HP	6HP	
Rated Frequency	50/60Hz ±0.3		
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. Grid/Generator Charging Current	100A	120A	120A
Max. Hybrid Charging Current	180A	220A	260A
<b>SOLAR INPUT</b>			
No. Of MPPT	2		
Max. Input Power	6,000W+6,000W	7,500W+7,500W	9,000W+9,000W
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	800Vdc+800Vdc		
MPPT Voltage Range	200~650Vdc/200~650Vdc		
<b>GRID/GENERATOR INPUT</b>			
Input Voltage Range	Phase voltage 170~280V, Line voltage 305~485V		
Input Frequency Range	50/60Hz		
Bypass Overload Current	23.2A	29A	35A
<b>EFFICIENCY</b>			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	≥92%		
European Efficiency	97.2%	97.5%	
<b>GENERAL DATA</b>			
Parallel Capacity	1~6 Units		
Dimension	670*440*240mm	Humidity	0~100%
Weight	39kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Warranty	5 years
Temperature	-10~55°C, >45°C Derate	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Certificate	IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3, FCC 15 class B, RoHS		

With PV input current / power limiting protection, Anti-reverse charge protection at night, AC input over-voltage protection, AC input under-voltage protection, Battery over-voltage protection, Battery under-voltage protection, Battery over-current protection, AC output short-circuit protection, Heat sink over-temperature protection, inverter over-load protection, AC output reverse, Bypass over-current protection, Bypass phase inconsistency protection.