



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 16 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
AC OUTPUT				
Rated Output Power	8,000W		10,000W	12,000W
Max. Output Power	16,000VA		20,000VA	24,000VA
Rated Output Voltage	230/400Vac (three-Phase)			
Load Motor Capacity	5HP		6HP	
Rated Frequency	50/60Hz ±0.3			
Switch Time	10ms (typical)			
BATTERY				
Battery Type	Li-ion / Lead-Acid / User Defined			
Rated Battery Voltage	48V			
Battery Volatge Range	40~60Vdc			
Max. Grid/Generator Charging Current	100A	120A	120A	
Max. Hybrid Charging Current	180A	220A	260A	
Max. Discharge Current	180A	220A	260A	
SOLAR INPUT				
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			
GRID/GENERATOR INPUT				
Input Voltage Range	Phase voltage 170~280V, Line voltage 305~485V			
Input Frequency Range	50/60Hz			
Bypass Overload Current	23.2A	29A	35A	
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	≥92%			
European Efficiency	97.2%	97.5%		
GENERAL DATA				
Parallel Capacity	1~6 Units			
Dimension	700*440*260mm	Humidity		0~100%
Weight	39.2kg	Cooling Method		Heat sink + intelligent fan cooling
Protection Degree	IP65	Warranty		5 years
Temperature	-25~60℃, >45℃ 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.