SRNE



10 YEARS WARRANTY

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.

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

Green Energy Changes the World

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	230/400 Vac（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
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	670*440*240mm	Humidity	0～100%
Weight	39kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Warranty	10 years
Temperature	-10~55℃, >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, nverter over-load protection, AC output reverse, Bypass over-current protection, Bypass phase inconsistency protection.