SRNE



5 YEARS WARRANTY

HESP 8-12kW

Single Phase Hybrid Solar Storage Inverter

- ☐ Compatible with 48V storage batteries
- ☐ 2 efficient, independent MPPT ports
- ☐ Separate generator port
- ☐ Support AC-coupling
- ☐ 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.

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

Green Energy Changes the World

V1.2

Model	HESP4880S200-H	HESP48100S200-H	HESP48120S200-H
AC OUTPUT (LOAD)			
Rated Output Power	8,800W	10,000W	12,000W
Max. Peak Power	17,600VA	20,000VA	24,000VA
Rated Output Voltage	230Vac (Single phase) (200/208/220/240Vac settable)		
Load Motor Capacity	5HP	6HP	
Rated Frequency	50/60Hz ±0.3Hz		
Waveform	Pure Sine Wave		
Switch Time	10ms (typical)		
AC OUTPUT (GRID)			
Rated Output Power	8,800W	10,000W	12,000W
Max. Apparent Power	8,800VA	10,000VA	12,000VA
Power Factor	0.8 leading to 0.8 lagging		
Rated Voltage	220/230Vac		
Rated AC Frequency	50/60Hz		
Rated AC Output Current	38.2A	43.5A	52.2A
THD	<3%		
BATTERY			
Battery Type	Lead-Acid / Li-ion / User-Define		
Rated Battery Voltage	48V		
Battery Voltage Range	40-60Vdc		
Max. Grid Charging Current	120A		
Max. Generator Charging Current	60A		
Max. Hybrid Charging Current	200A		
PV INPUT			
No. of MPPT Trackers	2		
Max. PV Input Power	5,500W+5,500W	5,500W+5,500W	6,600W+6,600W
Max. PV Input Current	22/22A		
Max. Short Circuit Current	37A/37A		
Max. Open Circuit Voltage	500Vdc		
MPPT Operating Voltage Range	125-425Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	90-280Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	97.5%		
European Efficiency	97%		

GENERAL DATA			
Parallel Capacity	1~6 Units (More than 3 units in parallel can form a three-phase output)		
Dimension	670x440x240mm	Humidity	0~100%
Weight	37kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Warranty	5 years
Temperature	-25~60°C, >45°C Derate	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Noise	<60dB
Certificate	IEC62109-1, IEC62109-2,EN61000-6-1, EN61000-6-3, FCC 15 class B,RoHS		
PROTECTION			
PV Reverse Protection	Yes	Anti-Islanding Protection	Yes
Residual-Current Monitoring	Yes	Insulation Resistance Monitoring	Yes
Output Short-Circuit Protection	Yes	Output Over-Current Protection	Yes
Over-Voltage Protection	AC type II/DC type III	Surge Protection	AC type II/DC type II