SRNE

10 YEARS WARRANTY



HESP 3.6~6kW

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

Model	HESP4836S100-H	HESP4840S100-H	HESP4846S100-H	HESP4850S100-H HESP4855S100-H	HESP4860S100-H
AC OUTPUT (LOAD)					
Rated Output Power	3,600W	4,000W	4,600W	5,500W	6,000W
Max. Peak Power	7,200VA	8,000VA	9,200VA	11,000VA	12,000VA
Rated Output Voltage	230Vac (Single phase) (200/208/220/240Vac settable)				
Load Motor Capacity	3HP		4HP		
Rated Frequency	50/60Hz ±0.3Hz				
Waveform	Pure Sine Wave				
Switch Time	10ms (typical)				
AC OUTPUT (GRID)					
Rated Output Power	3,600W	4,000W	4,600W	5,500W	6,000W
Max. Apparent Power	3,960VA	8,000VA	9,200VA	11,000VA	12,000VA
Power Factor	0.8 leading to 0.8 lagging				
Rated Voltage	220/230Vac				
Rated AC Frequency	50/60HZ				
Rated AC Output Current	15.7Aac	17.4Aac	20Aac	24Aac	26Aac
THD	<3%				
BATTERY					
Battery Type	Li-ion / Lead-Acid / User Defined				
Rated Battery Voltage	48V				
Battery Voltage Range	40～60Vdc				
Max. Grid Charging Current	60Adc				
Max. Generator Charging Current	60Adc				
Max. Hybrid Charging Current	100Adc				
PV INPUT					
No. of MPPT Trackers	2				
Max. PV Input Power	3,600W/3,600W	3,000W/3,000W	3,500W/3,500W	4,000W/4,000W	4,500W/4,500W
Max. PV Input Current	16Adc/16Adc				
Max. Short Circuit Current	27Adc/27Adc				
Max. Open Circuit Voltage	500Vdc				
MPPT Operating Voltage Range	120～450Vdc				
GRID/GENERATOR INPUT					
Input Voltage Range	90～280Vac				
Input Frequency Range	50/60Hz				
Bypass Overload Current	40Aac				
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	556*345*182mm	Humidity	0～100%
Weight	22.1kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Warranty	10 years
Temperature	-25 to +60°C, >45°C Derate	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/4G Stick	Noise	<60dB
Certificate	EN50549-1,G99,NRS-097,VDE-ARN-4105,CEI021,UNE217002,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