



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.

Model	HESP4860S100-H		
AC OUTPUT (LOAD)			
Rated Output Power	6,000W		
Max. Peak Power	12,000VA		
Rated Output Voltage	230Vac (Single phase) (200/208/220/240Vac settable)		
Load Motor Capacity	4HP		
Rated Frequency	50/60Hz ±0.3Hz		
Waveform	Pure Sine Wave		
Switch Time	10ms (typical)		
AC OUTPUT (GRID)			
Rated Output Power	6,000W		
Max. Apparent Power	12,000VA		
Power Factor	0.8 leading to 0.8 lagging		
Rated Voltage	220/230Vac		
Rated AC Frequency	50/60HZ		
Rated AC Output Current	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	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		
Temperature	-25 to +60°C, >45°C Derate	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	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