



HESP 8~12kW

Split-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	HESP4880U200-H	HESP48100U200-H	HESP48120U200-H
AC OUTPUT (LOAD)			
Rated Output Power	8800W	10000W	@240V 12000W @208V 10400W
Max. Peak Power	17,600W	20000W	@240V 24000W @208V 20800W
Rated Output Voltage	120/240Vac (Split-phase); 120/208Vac (Three-phase)		
Rated Output Current	@240V 36.6A @208V 42.3A	@240V 41.7A @208V 48.1A	@240V 50A @208V 50A
Load Motor Capacity	5HP	6HP	
Rated Frequency	50/60Hz		
Waveform	Pure Sine Wave		
AC OUTPUT (GRID)			
Rated Output Power	8800W	10000W	12000W
Max. Apparent Power	8800VA	10000VA	12000VA
Rated Output Current	@240V 36.6A @208V 42.3A	@240V 41.7A @208V 48.1A	@240V 50A @208V 50A
Power Factor	0.8 leading / 0.8 lagging		
THD	<3%		
BATTERY			
Battery Type	Li-ion / Lead-Acid / User Defined		
Rated Battery Voltage	48Vdc		
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	5500W/5500W	6600W/6600W	
Max. PV Input Current	25A/25A		
Max. Open Circuit Voltage	550Vdc/550Vdc		
MPPT Operating Voltage Range	125~450Vdc/125~450Vdc		
GRID/GENERATOR INPUT			
Rated Input Phase Voltage	120Vac		
Input Phase Voltage Range	90~140Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	97.5%		
CEC Energy Efficiency	96.5%		
GENERAL DATA			
Parallel Capacity	1~6 Units (More than 2 units in parallel can form a three-phase output)		
Dimension	750*440*240mm	Humidity	0~100%
Weight	42kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Degree	IP65	Noise	<60dB
Temperature	-25 to +60°C, >45°C Derate	Communication	RS485/CAN/USB/ Dry Contact
Warranty	1 Year	External Module (Optional)	Wi-Fi/GPRS
Certificate	UL1741&IEEE1547.1-2020,CEC, RULE 21, HECO, 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