



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	5 years	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	