



HESP -HUS 4-7kW

Split-phase hybrid Hybrid
Solar Storage Inverter

- 2 efficient, independent MPPT ports
- Separate generator port
- Equipped with independent circuit breaker protection for load, mains, generator, and battery
- Supports 150% single-phase unbalanced load
- 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	HESP4840U120-HUS	HESP4850U120-HUS	HESP4860U140-HUS	HESP4870U140-HUS
AC OUTPUT (LOAD)				
Rated Output Power	4000W	5000W	6000W	7000W
Single-phase Unbalanced Load	4000W	4500W	4500W	4500W
Max. Peak Power	2× rated power for 10 seconds			1.7 × Rated Power
Rated Output Voltage	120/240Vac (Split-phase); 120/208Vac (Three-phase)			
Rated Output Current	16.6A @240V 19.2A @208V	16.6A @240V 19.2A @208V	25A @240V 28.8A @208V	29.1A @240V 33.7A @208V
Rated Frequency	50/60Hz			
Waveform	Pure sine wave			
AC OUTPUT (GRID)				
Rated Output Power	4000W	5000W	6000W	7000W
Max. Apparent Power	4400VA	5500VA	6600VA	7000VA
Rated Output Current	16.6A @240V 19.2A @208V	16.6A @240V 19.2A @208V	25A @240V 28.8A @208V	29.1A @240V 33.7A @208V
Power Factor	0.99 (0.8 Leading / 0.8 Lagging)			
THDI	<3%			
BATTERY				
Battery Type	Lithium-ion Battery / Lead-acid Battery / User-defined			
Rated Battery Voltage	48Vdc			
Battery Voltage Range	40~60Vdc			
Max. Grid Charging Current	120A	120A	140A	140A
Max. Generator Charging Current	120A	120A	140A	140A
Max. Hybrid Charging Current	120A	120A	140A	140A
PV INPUT				
No. of MPPT Trackers	2			
Max. PV Input Power	6000W/6000W			
Max. PV Input Current	32A/32A			
Max. Open Circuit Voltage	600V/600V			
MPPT Operating Voltage Range	120~500Vdc			
GRID/GENERATOR INPUT				
Rated Input Phase Voltage	120Vac			
Input Phase Voltage Range	65~140Vac			
Input Frequency Range	50/60Hz			
Bypass Phase Current	60A			
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	97.6%			
CEC Efficiency	96.5%			
GENERAL DATA				
Parallel Capacity	1-6 units (3-phase output available with 2 or more units)			
Dimension	400x760x250mm	Humidity Range	0~100%	
Weight	45kG	Cooling Method	Intelligent air cooling + heat sink	
Protection Degree	IP65	Noise	<60dB	
Operating Temperature	-40~60°C, >45°C Derate	Communication Interface	RS485/CAN/USB/Dry Contact	
Warranty	5 years	External Modules (Optional)	Wi-Fi/GPRS	
Certificate	IEC 62109-1/-2 EN 61000			
PROTECTION				
Anti-Islanding Protection	Yes	Anti-Islanding Protection	Yes	
Insulation Resistance Monitoring	Yes	Insulation Resistance Monitoring	Yes	
Output Over-Current Protection	Yes	Output Over-Current Protection	Yes	
Over-Voltage Protection	AC type II/DC type III	Surge Protection	AC type II/DC type II	