



# HEBP -HUS 7-8kW

## Split-phase 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 17 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	HEBP4870U170-HUS		HEBP4880U190-HUS	
<b>AC OUTPUT</b>				
Rated Output Power	7000W		8000W	
Single-phase Unbalanced Load	5250W		6000W	
Max. Apparent Power	7000VA		8000VA	
Max. Peak Power	12250W(10min); 14000W(10s); > 14000W(0.5s)		14000W(10min); 16000W(10s); > 16000W(0.5s)	
Max. Continuous Discharging Power	with PV: 10500W@240V; 9100W@208V without PV: 7000W@240V; 7000W@208V		with PV: 12000W@240V; 10400W@208V without PV: 8000W@240V; 8000W@208V	
Rated Output Voltage	120/240Vac (split phase); 120/208Vac (three phase)			
Rated Output Current	29.2A @240V; 33.7A @208V		33.3A @240V; 38.5A @208V	
Max. Continuous Current	43.8A		50A	
Load Motor Capacity	4HP		5HP	
Rated Frequency	50/60Hz			
Waveform	Pure sine wave			
Power Factor	0.99 (0.8 Leading / 0.8 Lagging)			
THD	<3%			
<b>BATTERY</b>				
Battery Type	Lithium-ion Battery / Lead-acid Battery / User-defined			
Rated Battery Voltage	48Vdc			
Battery Voltage Range	40~60Vdc			
Max. Discharging Power	7000W		8000W	
Max. Charging/Discharging Current	170A <sub>dc</sub>		190A <sub>dc</sub>	
Max. PV Charging Current	170A <sub>dc</sub>		190A <sub>dc</sub>	
Max. Grid/Generator Charging Current	170A <sub>dc</sub>		190A <sub>dc</sub>	
<b>PV INPUT</b>				
No. of MPPT Trackers	2 + 2			
Max. PV Input Power	8000W + 8000W			
Max. PV Input Current	32A <sub>dc</sub> + 32A <sub>dc</sub>			
Max. Short-Circuit Current	44A <sub>dc</sub> + 44A <sub>dc</sub>			
Max. Open-Circuit Voltage	600V <sub>dc</sub> / 600V <sub>dc</sub>			
Min. Start-Up Voltage	60V <sub>dc</sub>			
MPPT Operating Voltage Range	80~500V <sub>dc</sub> / 80~500V <sub>dc</sub>			
<b>GRID/GENERATOR INPUT</b>				
Rated Input Voltage	120/240Vac (Split-phase); 120/208Vac (Three-phase)			
Input Voltage Range	Phase voltage: 65~140Vac; Line voltage: 130~280Vac			
Input Frequency Range	40Hz-70Hz			
Max. input current (Grid/Generator)	100A <sub>ac</sub> / 60A <sub>ac</sub>			
<b>EFFICIENCY</b>				
MPPT Tracking Efficiency	99%			
Max. Efficiency	97.6%			
CEC Efficiency	96.5%			
<b>GENERAL DATA</b>				
Parallel Capacity	1-9 Units			
Dimension	21*32.1*10.7in	Humidity Range	0~100%	
Weight	110.23 lbs	Cooling Method	Intelligent air cooling + heat sink	
Protection Degree	NEMA 4X	Noise	<55dB	
Operating Temperature	-12°F ~ 140°F, >113°F Derated	Communication Interface	RS485/CAN/USB/Dry Contact	
Warranty	5 years	External Modules	Wi-Fi/GPRS (Optional)	
Certificate	IEC 62109-1/-2, EN 61000, UL1741, CSA C22.2, FCC 15 class B, RoHS			
<b>PROTECTION</b>				
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 III /DC type II	Surge Protection	AC type II/DC type II	