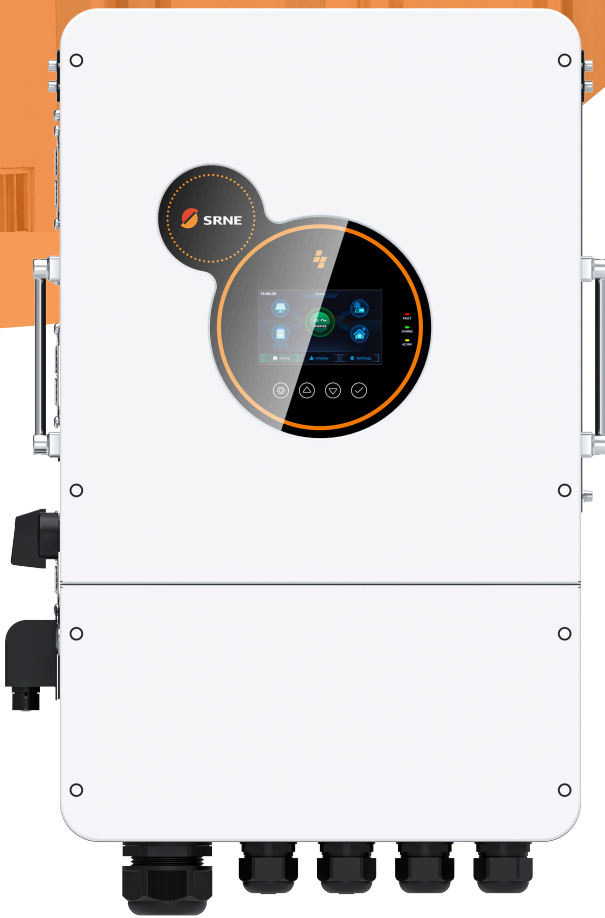


# HESP 3~8kW

## Three-Phase Hybrid Solar Storage Inverter

- Compatible with 48V storage batteries
- Up to 2 independent MPPT interfaces with high efficiency
- Separate generator port
- Support three-phase pure sine wave output
- 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	HESP4830SH3	HESP4840SH3	HESP4850SH3	HESP4860SH3	HESP4870SH3	HESP4880SHD3
<b>AC OUTPUT (LOAD)</b>						
Rated Output Power	3000W	4000W	5000W	6000W	7000W	8000W
Max. Peak Power	6000VA	8000VA	10000VA	12000VA	14000VA	16000VA
Rated Output Voltage	230/400Vac (three-Phase)					
Load Motor Capacity	3HP		4.5HP	6HP		
Rated Frequency	50/60Hz ±0.3Hz					
Waveform	Pure Sine Wave					
Switch Time	10ms (typical)					
<b>AC OUTPUT (GRID)</b>						
Rated Output Power	3000W	4000W	5000W	6000W	7000W	8000W
Max. Apparent Power	3300VA	4400VA	5500VA	6600VA	7700VA	8800VA
Power Factor	0.8 ahead, 0.8 behind					
Rated Voltage	3L/N/PE 230/400Vac					
Rated AC Frequency	50/60Hz					
Rated Output Current	4.4Aac	5.8Aac	7.2Aac	8.7Aac	10.1Aac	11.6Aac
THD	<3%					
<b>BATTERY</b>						
Battery Type	Li-ion / Lead-Acid / User Defined					
Rated Battery Voltage	48Vdc ( Minimum Startup Voltage 44V )					
Battery Voltage Range	40~60Vdc					
Max. Grid /Generator Charging Current	50Aac	60Aac	80Aac	100Aac	120Aac	140Aac
Max. Hybrid Charging Current	80Aac	100Aac	120Aac	150Aac	180Aac	200Aac
<b>PV INPUT</b>						
No. of MPPT Trackers	1			2		
Max. PV Input Power	6000W	8000W	5000W+5000W	6000W+6000W	7000W+7000W	8000W+8000W
Max. PV Input Current	26Aac			26Aac+26Aac		
Max. Short Circuit Current	35Aac			35Aac+35Aac		
Max. Open Circuit Voltage	800Vdc			800Vdc/800Vdc		
MPPT Voltage Range	200~650Vdc			200~650Vdc/200~650Vdc		
<b>GRID/GENERATOR INPUT</b>						
Input Voltage Range	Phase voltage 170 to 280V; Line voltage 305 to 485V					
Input Frequency Range	50Hz/60Hz					
Bypass Overload Current	45A					
<b>EFFICIENCY</b>						
MPPT Tracking Efficiency	99.9%					
European Efficiency	97.0%					

<b>General Data</b>			
Parallel Capacity	1~6 Units (More than 3 units in parallel can form a three-phase output)		
Dimensions	640x400x250mm (Hangers and connectors not included)	Humidity Range	0~100%
Weight	37.5kg	Cooling Method	Heat sink + intelligent fan cooling
Protection Level	IP65	Noise	<55dB
Temperature	-25 to +60°C, >45°C Derate	Communication Port	RS485/CAN
Warranty	5 years	External Module	WIFI/4G Stick(Optional)
Certificate	EN50549,VDE4105,IEC62109-1, IEC62109-2,IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2, RoHS		
<b>Protection</b>			
PV lightning protection, anti-islanding protection, reverse connection protection for PV input, insulation resistance detection, leakage current detection, output overcurrent protection, output short-circuit protection			
Overvoltage Protection Level	AC type II/DC type III	Surge Protection	AC type II/DC type II