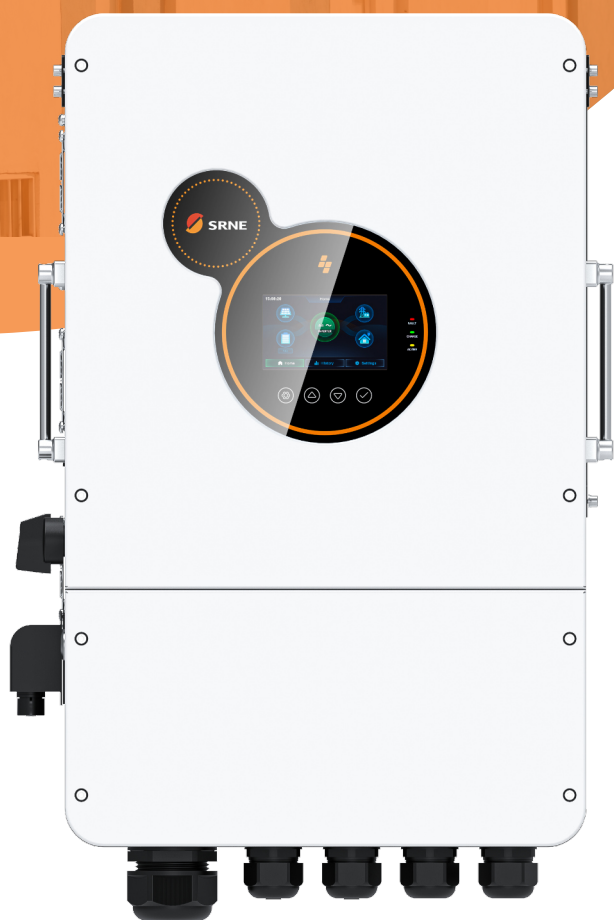




HESP 3~8kW

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
AC OUTPUT (LOAD)						
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)					
AC OUTPUT (GRID)						
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%					
BATTERY						
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	50Adc	60Adc	80Adc	100Adc	120Adc	140Adc
Max. Hybrid Charging Current	80Adc	100Adc	120Adc	150Adc	180Adc	200Adc
PV INPUT						
No. of MPPT Trackers	1		2			
Max. PV Input Power	6000W	8000W	10000W	12000W	14000W	16000W
Max. PV Input Current	26Adc		26Adc/ 26Adc			
Max. Short Circuit Current	35Adc		35Adc			
Max. Open Circuit Voltage	800Vdc/800Vdc					
MPPT Voltage Range	200~650Vdc		200~650Vdc / 200~650Vdc			
GRID/GENERATOR INPUT						
Input Voltage Range	Phase voltage 170 to 280V; Line voltage 305 to 485V					
Input Frequency Range	50Hz / 60Hz					
Bypass Overload Current	45A					
EFFICIENCY						
MPPT Tracking Efficiency	99.9%					
European Efficiency	97.0%					

General Data			
Parallel Capacity	1~6 Units (More than 3 units in parallel can form a three-phase output)		
Dimensions	640*400*250mm (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℃, >45℃ Derate	Communication Port	RS485/CAN
Warranty	5 years	External Module	4G/WIFI
Certificate	EN50549,VDE4105,IEC62109-1, IEC62109-2,IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2, RoHS		
Protection			
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