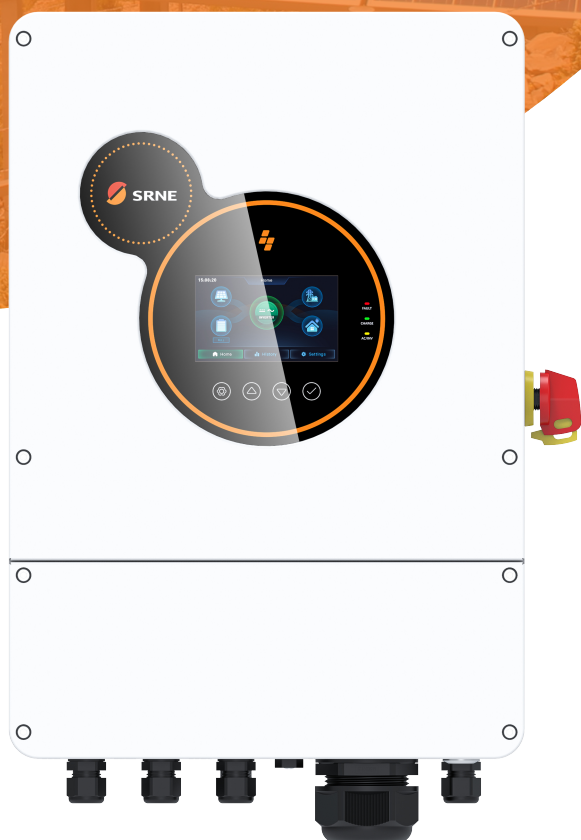




HESP 3.6~6kW

Single-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	HESP4836S100-H	HESP4840S100-H	HESP4846S100-H	HESP4850S100-H HESP4855S100-H	HESP4860S100-H
AC OUTPUT (LOAD)					
Rated Output Power	3,600W	4,000W	4,600W	5,500W	6,000W
Max. Peak Power	3,600VA	4,000VA	4,600VA	5,500VA	6,000VA
Rated Output Voltage	230Vac (Single phase) (200/208/220/240Vac settable)				
Load Motor Capacity	3HP		4HP		
Power Factor	0.8 leading to 0.8 lagging				
Rated Frequency	50/60Hz ±0.3Hz				
Waveform	Pure Sine Wave				
Switch Time	10ms (typical)				
AC OUTPUT (GRID)					
Rated Output Power	3,600W	4,000W	4,600W	5,500W	6,000W
Max. Apparent Power	3,600VA	4,000VA	4,600VA	5,500VA	6,000VA
Power Factor	0.8 leading to 0.8 lagging				
AC Output Voltage	220/230Vac				
Rated AC Frequency	50/60Hz				
Rated AC Output Current	15.7Aac	17.4Aac	20Aac	24Aac	26Aac
THD	<3%				
BATTERY					
Battery Type	Li-ion / Lead-Acid				
Rated Battery Voltage	48V				
Battery Voltage Range	40~60Vdc				
Max. Grid Charging Current	60Adc				
Max. Generator Charging Current	60Adc				
Max. Hybrid Charging Current	100Adc				
Max. Discharging Current	90A	100A	118A	130A	135A
PV INPUT					
No. of MPPT Trackers	2				
Max. PV Input Power	2,700W/2,700W	3,000W/3,000W	3,500W/3,500W	4,000W/4,000W	4,500W/4,500W
Max. PV Input Current	16A/16A				
Input Start-up Voltage	90V				
Max. Short Circuit Current	27A/27A				
Max. Open Circuit Voltage	500V				
Min. Operating Voltage Range	120V~150V				
MPPT Operating Voltage Range	120V~450V				
GRID/GENERATOR INPUT					
Input Voltage	230Vac				
Input Frequency Range	50/60Hz				
Bypass Overload Current	40Aac				
EFFICIENCY					
MPPT Tracking Efficiency	99.9%				
Max. Efficiency	97.5%				
European Efficiency	97%				
GENERAL DATA					
Dimension	556*345*182mm	Humidity		0~100%	
Weight	20kg	Cooling Method		Heat sink + intelligent fan cooling	
Protection Degree	IP65	Warranty		5 years	
Temperature	-25~60°C, >45°C Derate	Communication		RS485/CAN/USB/Dry Contact	
External Module (Optional)	Wi-Fi / GPRS	Noise		<60dB	
Certificate	EN50549-1, EN50549-IE, PEA-MEA, UNE217002, G99, G98, G98/NI, G99/NI, NRS-097, VDE-ARN-4105, CEI 021, IEC62109-1, IEC62109-2, EN61000-6-1, EN61000-6-3,RoHS, FCC 15 class B, AS4777.2 Australia New Zealand, AS4777.2 Australia A, AS4777.2 Australia B, AS4777.2 Australia C				
Country of Manufacturing	Made in China				
PROTECTION					
PV Reverse Protection	Yes	Anti-Islanding Protection		Current injection	
Residual-Current Monitoring	Yes	Insulation Resistance Monitoring		Yes	
Output Short-Circuit Protection	Yes	Output Over-Current Protection		Yes	
Over-Voltage Category	AC type II/DC type III	Surge Category		AC type II/DC type II	