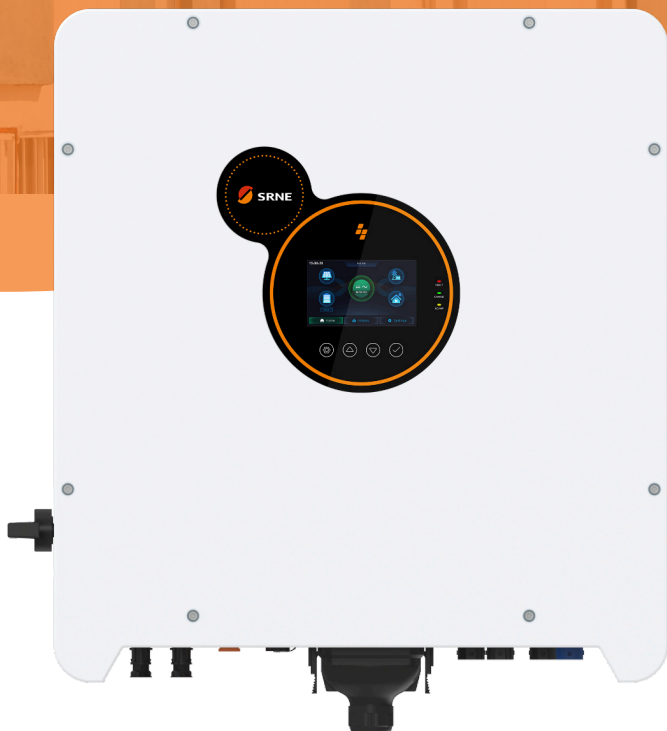


HESP 8-12kW

High-voltage Three-Phase
Hybrid Solar Storage Inverter



- ☐ 2 efficient, independent MPPT ports
- ☐ Separate generator port
- ☐ Support three-phase pure sine wave output
- ☐ Support time-slot function for peak-valley
- ☐ IP65 waterproof protection degree

ABOUT SRNE

- ☐ SRNE 15 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	HESP80SH3		HESP100SH3	HESP120SH3
INVERTER OUTPUT				
Rated Output Power	8,000W		10,000W	12,000W
Max. Output Power	16,000VA		20,000VA	24,000VA
Rated Output Voltage	230/400Vac (three-Phase)			
Waveform	Pure Sine Wave			
Rated Frequency	50/60Hz ±0.3			
Switch Time	10ms (typical)			
AC OUTPUT				
Rated Output Power	8,000W		10,000W	12,000W
Max. Output Power	8,800VA		10,000VA	12,000VA
Power Factor	0.8 leading to 0.8 lagging			
Rated Output Voltage	3L/N/PE 230/400Vac			
Rated AC output phase current	11.5A		14.4A	17.3A
Max. AC output phase current	12.7A		15.9A	19.1A
THD	<3%			
BATTERY				
Battery Type	Li-ion / User Defined			
Rated Battery Voltage	200V		250V	300V
Battery Volatge Range	125–600Vdc			
Max. Hybrid Charging Current	40A			
SOLAR INPUT				
No. Of MPPT	2			
Max. Input Power	6,000W+6,000W		7,500W+7,500W	9,000W+9,000W
Max. Input Current	16A+16A			
Max. Open Circuit Voltage	1000Vdc+1000Vdc			
MPPT Voltage Range	180–850Vdc/180–850Vdc			
GRID/GENERATOR INPUT				
Input Voltage Range	Phase voltage 170–280V/ line voltage 295V~485V			
Input Frequency Range	50/60Hz			
Bypass Overload Current	25.5A		31.9A	38.2A
EFFICIENCY				
MPPT Tracking Efficiency	99.9%			
Max. Efficiency	≥92%			
European Efficiency	97.2%		97.5%	
GENERAL DATA				
Parallel Capacity	1~6 Units			
Dimension	620*550*230mm	Humidity		0~100%
Weight	35kg	Cooling Method		Heat sink
Protection Degree	IP65	Warranty		10 years
Temperature	–30~60℃,>45℃ derated	Communication		RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS			
Certificate	EN50549,VDE4105, IEC62109–1, IEC62109–2, EN61000–6–1, EN61000–6–3, FCC 15 class B, RoHS			

With PV input current / power limiting protection, Anti–reverse charge protection at night, AC input over–voltage protection, AC input under–voltage protection, Battery over–voltage protection, Battery under–voltage protection, Battery over–current protection, AC output short–circuit protection, Heat sink over– temperature protection, nverter over–load protection, AC output reverse, Bypass over–current protection, Bypass phase inconsistency protection.