



# HES 8-12kW

## Three-phase off/on grid Solar Storage Inverter

- Up to 1,000V PV input voltage, ideal for high power
- IP65 waterproof protection degree
- Separate generator port
- Support AC-coupling
- The 380V three-phase system is efficient, reliable and ideal for large equipment
- Exclusive Li-ion battery BMS dual activation



### 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	HES80SH3	HES100SH3	HES120SH3
<b>INVERTER OUTPUT</b>			
Rated Output and UPS Power	8,000W	10,000W	12,000W
Max. Output Power	8,800VA	11,000VA	13,200VA
Peak Power (off-grid)	2 times of rated power, 10 S		
Rated Grid Output Current	11.5A	14.4A	17.3A
Max. Grid Output Current	12.7A	15.9A	19.1A
Power Factor	0.8		
Rated AC Frequency	50/60Hz		
AC Voltage Range	380~415V		
Total Harmonic Current	THD<3% (linear load<1.5%)		
Output Mode	Off-grid (default) / on-grid / Without battery		
<b>BATTERY</b>			
Battery Type	Lead-acid / Li-ion / User-defined		
Battery Voltage Range	125~600Vdc		
Max. Charging Current	37.5A		
Max. Discharging Current	37.5A		
<b>PV INPUT</b>			
Num. of MPPT	2		
Num. of Strings Per MPPT	1+1		
Max. DC Input Power	6,000W+6,000W	7,500W+7,500W	9,000W+9,000W
Max. PV Input Voltage	1,000V+1,000V		
PV Input Current	15A+15A		
MPPT Voltage Range	180~850Vdc		
Min. PV Input Voltage/Start-up Voltage	125V/180V		
<b>GRID/GENERATOR INPUT</b>			
Rated Input Frequency and Voltage	50/60Hz, 3L+N+PE, 220/380V; 230/400V; 240/415V		
Rated Apparent Power	16,000W	20,000W	24,000W
Max. Grid Input Apparent Power	13,200W	17,600W	22,000W
Max. Grid Input Current	25.5A	31.9A	38.2A
<b>EFFICIENCY</b>			
MPPT Tracking Efficiency	99.9%		
European efficiency	97.2%		97.5%
Max. Efficiency	97.9%		98.3%

<b>GENERAL DATA</b>			
Dimension	560*530*232mm	Noise	≤30dB
Protection Degree	IP65	Warranty	5 years
Temperature	-15~55°C	Communication	RS485/CAN
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Certificate	IEC62109-1, IEC62109-2, CEI-021, VDE4105, VDE0124, EN61000-6-1, EN61000-6-3, FCC 15 class B		