SRNE



10 YEARS WARRANTY

HESP 16~20kW

Three-Phase Hybrid Solar Storage Inverter

- ☐ Compatible with 48V storage batteries.
- ☐ 3 efficient, independent MPPT ports.
- ☐ Up to 9 units can be connected in parallel.
- ☐ Capable of 150% unbalanced load output for single – phase loads.
- ☐ Upgrades and transforms existing solar systems with the AC coupling function.
- ☐ 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.

SRNE Solar Co,.ltd.
www.srnesolar.com

Green Energy Changes the World

MODEL	HESP48160SH3	HESP48180SH3	HESP48200SH3
AC Output			
Rated Output Power	16000W	18000W	20000W
Max. Output Power	17600W	19800W	22000W
Max. Peak Power	32000VA	36000VA	40000VA
Rated Output Voltage	230/400VAC three-Phase		
Motor Load Capacity	10HP	11HP	12HP
Rated Frequency	50/60Hz ±0.3Hz		
Switching Time	10ms (typical)		
Battery			
Battery Type	Li-ion / Lead-Acid / User Defined		
No. of Battery Input Ports	2		
Rated Battery Voltage	48V		
Battery Voltage Range	40～60Vdc		
Max. Grid/Generator Charging Current	300Adc	330Adc	350Adc
Max. Hybrid Charging Current	300Adc	330Adc	350Adc
Max. Discharge Current	300Adc	330Adc	350Adc
PV Input			
No. of MPPT Trackers	3		
No. of Strings MPP Tracker	1+1+1		
Max. PV Input Power	24000W	27000W	30000W
Max. PV Input Current	26A+26A+26A		
Max. Short-Circuit Current	45A+45A+45A		
Max. Open Circuit Voltage	1000V		
Start-up Voltage	150V		
MPPT Operating Voltage Range	160V～800V		
Rated PV Input Voltage	600V		
Grid/Generator Input			
Input Voltage Range	Phase voltage 170~280V, Line voltage 305~485Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	70Aac		
Efficiency			
MPPT Tracking Efficiency	>99%		
Max. Efficiency	97.8%		
European Efficiency	97.2%	97.5%	97.5%

General Data			
Parallel Capacity	1～9 Units		
Cabinet Size	800x470x313mm	Humidity	0～100%
Weight (kg)	59.5kg	Cooling	Heat sink + intelligent fan cooling
Protection Degree	IP65	Warranty	10 years
Operating Temperature	-25 to +60℃, >45℃ Derating	Communication	RS485/CAN/USB/ Dry Contact
External Module (Optional)	WIFI/4G Stick	Overvoltage Protection Category	DC type II/AC type II
Surge Protection	DC type II/AC type II		
Certificate	EN50549,VDE4105,IEC62109-1, IEC62109-2,EN61000-6-1, EN61000-6-3, FCC 15 class B, RoHS		

Equipment Protection

PV Lightning Protection, PV Reverse Polarity Protection, Anti – islanding Protection, Insulation Resistance Detection (ISO), Ground Fault Current Interrupter Detection (GFCI), AC Output Over – current Protection, Inverter Output Short – circuit Protection, Over – temperature Protection, RSD (Rapid Shutdown Device) Quick Shutdown, DC Arc Fault Circuit Interrupter Protection (AFCI), DC Input Switch Protection.