



HF

1 ~ 1.5kW

Single-Phase off-grid Solar Storage Inverter

- Compatible with 12V storage batteries
- Multiple charging and on-load modes to maximise energy use
- Efficient heat dissipation, prolonging system life
- Support remote monitoring of equipment operating parameters

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	HF1210S60-108		HF1215S60-108
INVERTER OUTPUT			
Rated Output Power	1,000W		1,500W
Max.Peak Power	2,000VA		3,000VA
Rated Output Voltage	230Vac (Single-Phase)		
Load Motor Capacity	1HP		
Rated Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Lead-Acid / Li-ion / User-Define		
Rated Battery Voltage	12V		
Battery Volatge Range	10.5~15.5Vdc		
Max. Solar Charging Current	60A		
Max. Grid/Generator Charging Current	60A		
Max. Hybrid Charging Current	120A		
SOLAR INPUT			
No. Of MPPT	1		
Max.PV Array Power	1,000W		
Max. Input Current	28.5A		
Max. Open Circuit Voltage	108Vdc		
MPPT Voltage Range	15~90Vdc		
GRID/GENERATOR INPUT			
Input Voltage Range	170~280Vac		
Input Frequency Range	50/60Hz		
Bypass Overload Current	6.5A	9.7A	
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Efficiency	92%		
GENERAL DATA			
Dimension	357.5*235*103mm	Moisture	0~100%
Weight	5.5kg	Cooling Method	Fan Cooling
Protection Degree	IP20 Only Indoor	Warranty	2 years
Temperature	-10°C~55°C	Communication	RS485/CAN/USB/Dry Contact
External Module (Optional)	Wi-Fi/GPRS	Topology	Transformerless
Certificate	RoHs/IEC 62109/EN61000/C2		
PROTECTION			

Equipped with PV current limit and power limit protection, PV night anti-reverse charging protection, utility input over-voltage protection, utility input under-voltage protection, battery over-voltage protection, battery under-voltage protection, load output short-circuit protection.