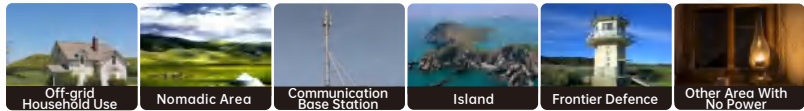


# HOUSEHOLD ENERGY STORAGE SYSTEM

ON/OFF GRID HYBRID INVERTER  
E 8.5kW~12kW/48V

## Application Scenarios

Scenarios of no power, lack of power, power instability area, no motor and other impact load scene



## Product Highlights

- It supports a max PV input voltage of 530V.
- The maximum power of the PV is twice the rated power. It supports full-power charging and full-power load operation
- Choose between a 65K-color HD touch screen and a segmented code screen. Supports global language customization
- It has an independent generator interface and is compatible with intelligent loads.
- It is possible to set the charging and discharging time periods according to the time-of-use electricity price.
- It has two-level anti-backflow function to protect the power grid from being affected and impacted.
- Bypass output is available even without a battery, ensuring that critical loads remain powered without interruption.
- The Max Supports up to 10 parallel machines, and three-phase group grid.
- Both the AC input port and the generator interface can be connected to the PV grid -connected inverter for renovating the original PV system.

## Product Appearance



## HS1085EH48L ~ HS1120EH48L Parameters

MODEL	HS1085EH48L	HS1105EH48L	HS1105EH48P	HS1120EH48L
Battery Voltage	48Vdc			
Battery Type	Lead-acid, lithium batteries, gel batteries, etc			
Output				
Rated Output Power	8500VA/8500W	10500VA/10500W	10500VA/10500W	12000VA/12000W
Parallel Function	N/A	N/A	Yes, up to 10 units	N/A
Rated Output Voltage	220/230Vac			
Rated Output Frequency	50/60Hz (± 5), intelligent adaptive / setting			
Output Waveform	Pure sine wave			
Max Efficiency(Peak)	92%			
Rated Current	36.9A	45.6A	45.6A	52.1A
Transfer Time	10ms(Typical value)			
PV Input				
Rated Power	6000W+6000W	7500W+7500W		
MPPT Voltage Range	370Vdc(90~500V)			
Max Input Voltage	500Vdc			
Max Charging Current	180A	200A	200A	200A
Number of MPPT / Strings per MPPT	2/1+1			
Mains/ Generator Input				
Max Charging Current	100A	120A	120A	120A
AC Input Voltage Range (UPS mode)	170~280Vac,±2%			
Rated Frequency	50 / 60Hz			
Battery Input				
Voltage Range	40~60V			
Max Charging Current	180A	200A	200A	200A
General Parameters				
Dimension. W*D*H(mm)	605*425*140			
Installation Method	Wall-mounted			
Weight (kg)	24			
Communication Mode	Standard: RS485 / CAN, Optional 4G / WIFI			
Protection function	Over/Under Voltage Protection, Over/Under Frequency Protection, AC Output Short Circuit Protection, AC Output Overload Protection, High/Low Temp Protection, PV Reverse Connection Alarm			
Operating Environment				
Operating Ambient Temperature	-25℃~60℃( > 45℃ Derating )			
Storage Ambient Temperature	-20℃~60℃			
Humidity	0%~95%			
Altitude	< 2000m			
Protection Degree	IP20 (For indoor use only)			
Certifications				
Certification	CE 、 RoHS			
Certifications standard	IEC/EN 61000-6-1/3 、 IEC/EN 61000-3-11/12, EN 62920 、 IEC 62109-1, IEC 62109-2, IEC 62321			

Specifications are subject to change without advance notice.