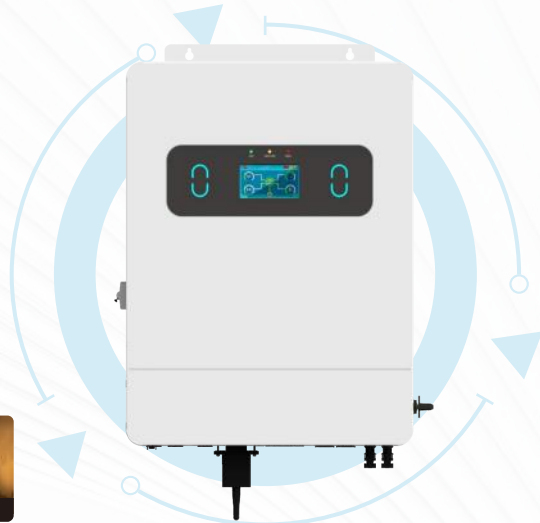
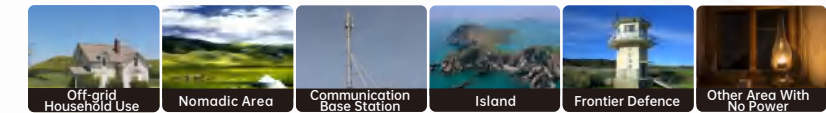


# HOUSEHOLD ENERGY STORAGE SYSTEM

THREE PHASE ON/OFF GRID HYBRID  
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

- 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 is possible to set the charging and discharging time periods according to the time-of-use electricity price.
- It has the function of connecting to the power grid, which effectively improves the energy utilization efficiency
- It is equipped with a dimensional upgrade driving function, enabling a larger load power capacity and support for a wider variety of loads.
- It adopts an advanced inverter architecture, which can reliably suppress leakage current and ensure electrical safety.
- It can provide bypass output even without a battery, ensuring continuous power supply to critical loads.
- The Max Supports up to 10 parallel machines
- It has a battery activation function.
- Both the AC input port and the generator interface can be connected to the PV grid-connected inverter for renovating the original PV system.

## Parallel Connection System Diagram (n≤10)



## HS3085EH48L~HS3120EH48L Parameters

MODEL	HS3085EH48L	HS3105EH48L/P	HS3120EH48L
Battery Voltage	40 ~ 60Vdc		
Battery Type	Lead-acid, lithium batteries, gel batteries, etc		
Output			
Rated Output Power	8500W	10500W	12000W
Parallel Function	N/A	L: N/A ; P: Yes, up to 10 units	N/A
Rated Output Voltage	220/380Vac ±4%, 230/400Vac ±4%		
Rated Output Frequency	50/60Hz Intelligent adaptive/configurable		
Output Waveform	Pure sine wave		
Max Efficiency(Peak)	92%		
Rated Current	12.3A	15.2A	17.3A
Transfer Time	10ms(Typical value)		
PV Input			
Rated Power	6500W+6500W	7500W+7500W	7500W+7500W
MPPT Voltage Range	120~850Vdc		
Number of MPPT / Strings per MPPT	2/1+1		
Max Input Voltage	1000Vdc		
Max Charging Current	180±5A	200±5A	200±5A
Number of MPPT / Strings per MPPT	2/1+1		
Mains/ Generator Input			
Max Charging Current	100±5A	120±5A	120±5A
AC Input Voltage Range (UPS mode)	170~280Vac,±2%		
Rated Frequency	50 / 60Hz		
Battery Input			
Voltage Range	40~60Vdc		
Max Charging Current	180±5A	200±5A	200±5A
General Parameters			
Dimension. W*D*H(mm)	625*140*478		
Installation Method	Wall-mounted		
Weight (kg)	24		
Communication Mode	RS485/CAN Optional WIFI/4G		
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	5%~95% Non-condensation		
Altitude	4000m( > 2000m Derating)		
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.