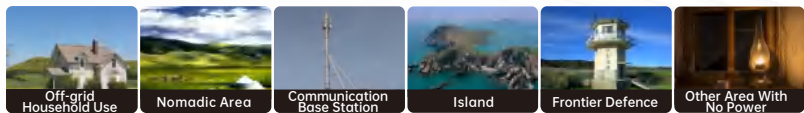


# HOUSEHOLD ENERGY STORAGE SYSTEM

ON/OFF GRID HYBRID INVERTER  
PV High Vol 4.5kW~5.5kW/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
- 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.
- The Max Supports up to 10 parallel machines, and three-phase group grid.
- It can provide bypass output even without a battery, ensuring continuous power supply to critical loads.
- It supports remote data viewing and remote power ON/OFF.
- It has a battery activation function.
- It is compatible with lead-acid batteries, lithium batteries, gel batteries, etc.

## Product Appearance



## HS1045EH48L ~ HS1055EH48L&HS1055EH48P Parameters

MODEL	HS1045EH48L	HS1055EH48L	HS1055EH48P
Battery Voltage	48Vdc		
Battery Type	Lead-acid, lithium batteries, gel batteries, etc		
Output			
Rated Output Power	5000VA/4500W	6000VA/5500W	6000VA/5500W
Parallel Function	N/A	N/A	Yes, up to 10 units
Rated Output Voltage	230Vac ±4%		
Rated Output Frequency	50/60Hz ±0.3(Adaptive)		
Output Waveform	Pure sine wave		
Max Efficiency(Peak)	93.8%		
Rated Current	19.6A	23.9A	23.9A
Transfer Time	10ms(Typical value)		
PV Input			
Rated Power	4500W	5500W	5500W
MPPT Voltage Range	90~500Vdc		
Max Input Voltage	500Vdc		
Max Charging Current	80A	100A	100A
Mains/ Generator Input			
Max Charging Current	60A		
AC Input Voltage Range (UPS mode)	170~280Vac,±2%		
Frequency Range	(47-55Hz) ±0.3 / (57-65Hz) ±0.3		
Battery Input			
Voltage Range	40~60Vdc		
Max Charging Current	100A		
Default Charging Current	30A		
General Parameters			
Dimension. W*D*H(mm)	470*330*125		
Installation Method	Wall-mounted		
Weight (kg)	12		
Communication Mode	RS485/Dry contact control , 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		
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 、 EN 62920 、 IEC 62109-1、 IEC 62109-2、 IEC 62321		

Specifications are subject to change without advance notice.