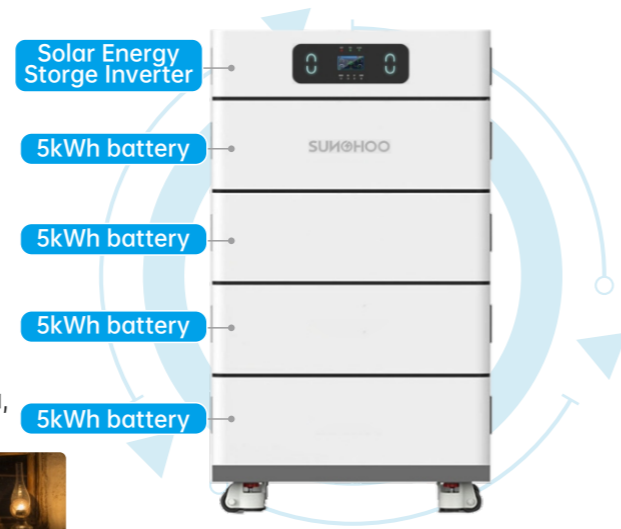




HOUSEHOLD ENERGY STORAGE SYSTEM

ALL-IN-ONE ENERGY STORAGE SYSTEM (ON/OFF-GRID)



Application Scenarios

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



Product Features

Safe And Reliable

- With short circuit, under-voltage, overload, anti-reflux, PV anti-reverse connection, and other safety protection functions.

Powerful Function

- 4 types of charging modes are optional: mains priority, photovoltaic priority, hybrid charging, only solar energy
- With two kinds of output modes (mains bypass & inverter output), it can supply the power uninterruptedly.

Higher Yield

- Integrated MPPT controller, with efficiency up to 99.9%.

Product Highlight

Powerful Function

- Can set the photovoltaic grid-connected mode.
- Equipped with uphill driving function, with higher load power and more types of loads.

Strong Adaptability

- No battery, bypass output ensures uninterrupted power for critical loads.
- Customizable design to meet different customer needs.

More Intelligent

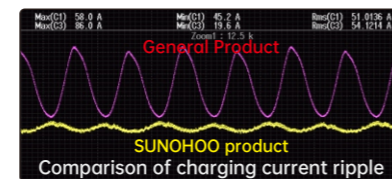
- Power grid self-adaptation, supporting normal power generation under weak grid conditions.
- With automatic dust removal function.

Easy To Install

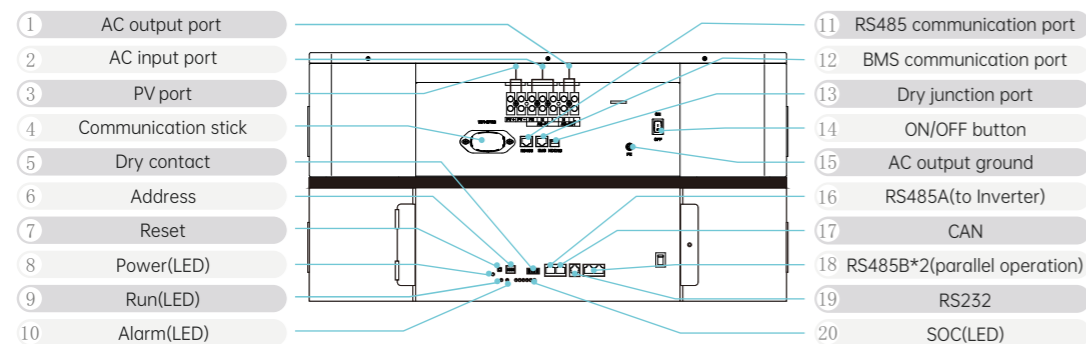
- Modular stacking design, plug and play, convenient installation.
- Modular battery pack, supporting battery expansion, up to 20.48kWh.

Safe And Reliable

- Adopt special inverter architecture to reliably suppress leakage current, leading the industry.
- Excellent charging current control technology, effectively controlling the charging current ripple.



Product Appearance



HS1055EH48L-5H ~ HS1055EH48L-20H Parameters

MODEL	HS1055EH48L-5H	HS1055EH48L-10H	HS1055EH48L-15H	HS1055EH48L-20H
Output				
Rated Output Power	5500VA/5000W			
Rated Output Voltage	230Vac ±4%			
Rated Output Frequency	50/60Hz ±0.3(Adaptive)			
Output Waveform	Pure sine wave			
Efficiency(Peak)	93.8%			
Rated Current	22A			
Transfer Time	10ms(Typical value)			
Mains/ Generator Input				
Rated Input Voltage	220/230Vac			
Frequency Range	(47-55Hz) ±0.3 / (57-65Hz) ±0.3			
Max Charging Current	60A			
AC Input Voltage Range (UPS mode)	170Vac~280Vac ±2%			
Battery				
Battery Type	LiFePO4			
Battery Rated Voltage	51.2V (16S)			
Battery Energy	5.12KWh	10.24KWh	15.36KWh	20.48KWh
Battery Capacity	100Ah	200Ah	300Ah	400Ah
Max Charing/Discharging Current	100A			
DOD	80%			
Designed Life-span	5000 cycles to 80+% capacity			
PV Input				
Max Input Power	5500W			
Max PV Open-circuit Voltage	500Vdc			
MPPT Voltage Range	90~500Vdc			
Max PV Input Current	20A			
Max PV Charing Current	100A			
General Parameters				
Dimension. W*D*H(mm)	650*460*440	650*460*600	650*460*765	650*460*930
Weight (kg)	76kg	124kg	172kg	219kg
Communication Mode	RS485/Dry contact control, Optional WIFI/GPRS/4G			
Operating Environment				
Operating Ambient Temperature	-25°C~60°C(> 45°C Derating)			
Humidity	5%-95% Non-condensation			
Operating Environment	Indoor			
Certifications				
Safety Certification	CE (IEC62109-1)			
EMC Certifications	IEC/EN61000-6-1/3, CLASS B			
Transport certification	UN38.3			

Specifications are subject to change without advance notice.