

HOUSEHOLD ENERGY STORAGE SYSTEM

ON/OFF GRID SOLAR INVERTER
5.5kW

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.

Product Highlight

Powerful Function

- Equipped with uphill driving function, with higher load power and more types of loads.
- The Maximum Supports up to 10 parallel machines,and three-phase group grid.

Strong Adaptability

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

More Intelligent

- Power grid self-adaptation, supporting normal power generation under weak grid conditions.
- With automatic dust removal function.
- Can set the photovoltaic grid-connected mode.

Novelty In Appearance

- The appearance is like a robotic cat, lively and friendly.

Product Appearance



Higher Yield

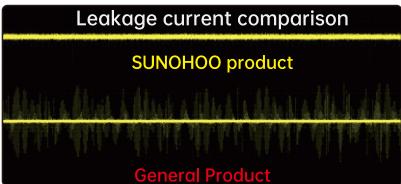
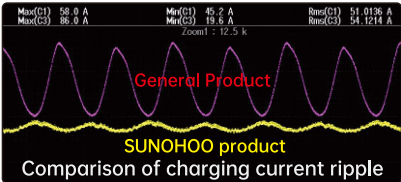
- Integrated MPPT controller, with efficiency up to 99.9%.

Intelligent And Easy To Use

- Optional RS485, WIFI
- Compatible with lead-acid, lithium batteries, gel batteries, etc.

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.



HS1055EH48P Parametes

MODEL	HS1055EH48P
Battery Voltage	48Vdc
Battery Type	Lead-acid, lithium batteries, gel batteries, etc
Output	
Rated Output Power	6000VA/5500W
Parallel Function	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	23.9A
Transfer Time	10ms(Typical value)
PV Input	
Max Input Power	5500W
MPPT Voltage Range	90~500Vdc
Max Input Voltage	500Vdc
Max Charging Current	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
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	
Safety Certification	CE (IEC62109-1)
EMC Certifications	IEC/EN61000-6-1/3,CLASS B

Specifications are subject to change without advance notice.