



# 户用储能系统

## Household Energy Storage



### 离网光伏储能逆变器

#### 应用场景

无电，缺电，电力不稳定地区，无电机等冲击性负载的场景

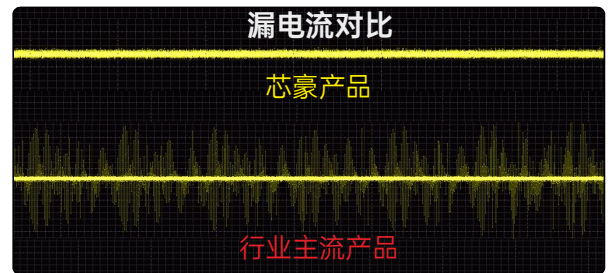
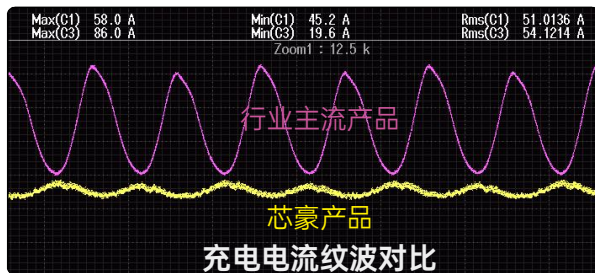


#### 产品特性

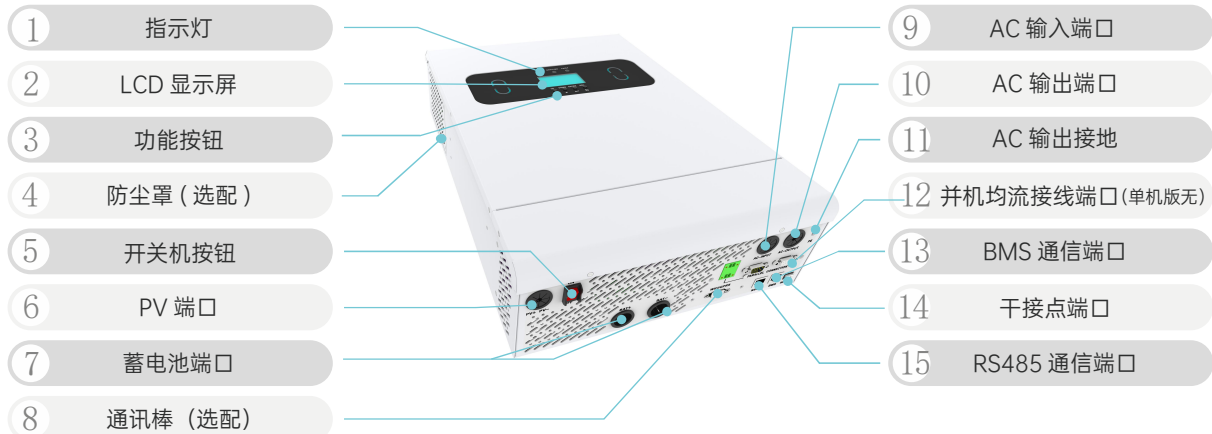
- ◎ 集成 MPPT 控制器，MPPT 效率高达 99.9%
- ◎ 拥有市电旁路、逆变器输出两种输出模式，具备不间断供电功能
- ◎ 兼容铅酸电池、锂电池、胶体电池等
- ◎ 四种充电模式可选：市电优先、光伏优先、混合充电、仅光伏
- ◎ 具备过载、短路、过欠压、过欠频、反灌等安全保护功能
- ◎ 可选 4G、WIFI 或 GPRS 远程通讯模块

#### 产品亮点

- ◎ 适应性强：无电池亦可旁路输出，确保重要负载不断电
- ◎ 采用特殊逆变架构，可靠抑制漏电流，领先于行业
- ◎ 优异充电电流控制技术，有效控制充电电流纹波
- ◎ 可定制化设计，满足客户不同需求
- ◎ 智能电网自适应，支持弱电网情况下正常发电
- ◎ 支持单相并网及三相组网并网，最大并网数可达10台
- ◎ 具备升维驱动功能，带载功率更大，带载种类更多
- ◎ 机器猫外观，新颖形象，活力亲切
- ◎ 可设置光伏并网发电模式
- ◎ 具备自动除尘功能



#### 产品特征介绍





## HS1033EH24L~1055EH48P系列产品参数

型号	HS1033EH24L	HS1033EH48L	HS1045EH48L	HS1055EH48L	HS1055EH48P
电池电压	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc
电池类型	铅酸电池、锂电池、胶体电池等				
<b>输出</b>					
额定输出功率	3600VA/3300W	3600VA/3300W	5000VA/4500W	6000VA/5500W	6000VA/5500W
并机功能	不支持	不支持	不支持	不支持	支持, 最多 10 台
额定输出电压	230Vac ±4%				
额定输出频率	50/60Hz ±0.3( 自适应 )				
输出波形	纯正弦波				
转换效率	93.8%				
额定电流	14.3A	14.3A	19.6A	23.9A	23.9A
切换时间	10ms( 典型值 )				
<b>PV 输入</b>					
最大输入功率	3300W	3300W	4500W	5500W	5500W
MPPT 电压范围	90~450Vdc		120~450Vdc		
最大输入电压	500Vdc		500Vdc		
最大充电电流	100A	60A	80A	100A	100A
PV 防反功能	有				
<b>交流输入</b>					
最大充电电流	60A	30A	60A	60A	60A
交流输入电压范围 (UPS 模式)	170~280Vac, ±2%				
频率范围	(47-55Hz) ±0.3 / (57-65Hz) ±0.3				
<b>电池输入</b>					
电压范围	20~33Vdc	40~60Vdc			
最大充电电流	100A	60A	100A	100A	100A
默认充电电流	30A	15A	30A	30A	30A
<b>常规参数</b>					
尺寸 W*D*H (mm)	372*269*100		470*330*125		
安装方式	壁挂式				
重量 (kg)	7.2		12		
通讯方式	RS485, 可选 WIFI/4G		RS485/ 干接点控制, 可选 WIFI/GPRS/4G		
<b>工作环境</b>					
工作环境温度	-10°C~55°C				
储存环境温度	-20°C~60°C				
相对湿度	5%~95% 无凝露				
海拔高度	< 2000m				
防护等级	IP20				
<b>认证</b>					
安规认证	CE (IEC62109-1)				
EMC 认证	IEC/EN61000-6-1/3, CLASS B				

规格指标若有变动, 恕不另行通知。



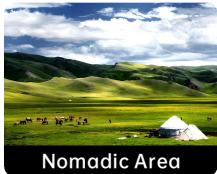
# HOUSEHOLD ENERGY STORAGE SYSTEM

## OFF-GRID SOLAR INVERTER



### Application Scenarios

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

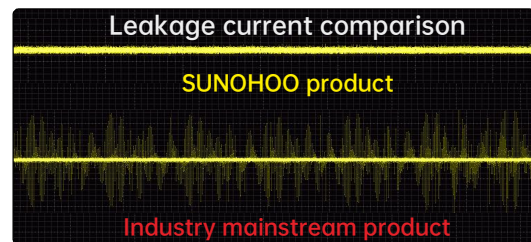
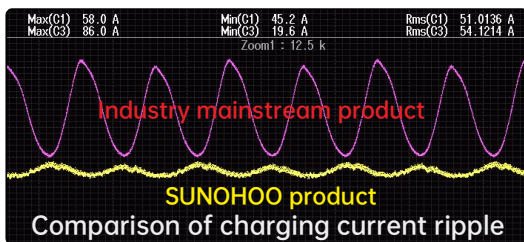


### Product Features

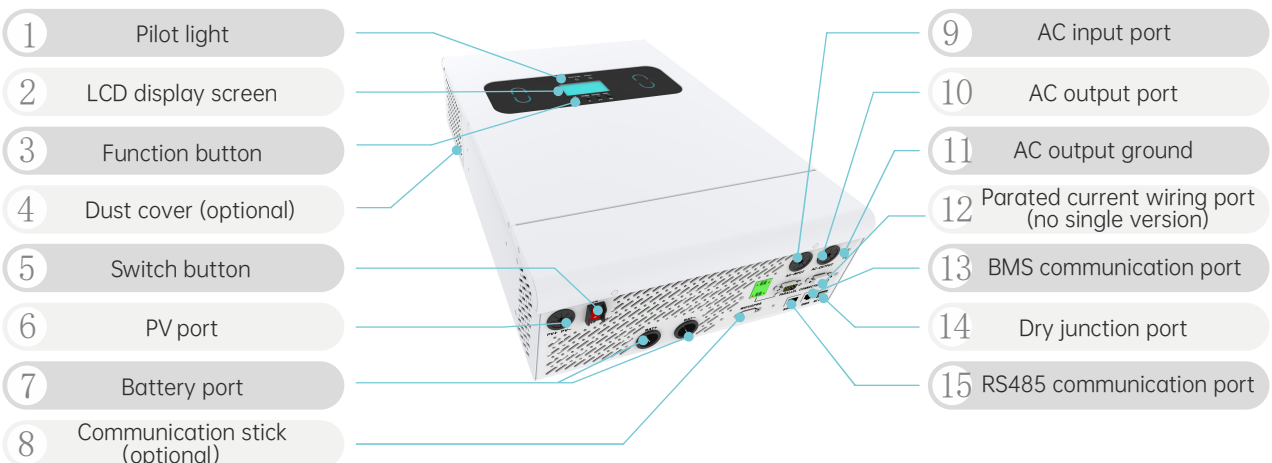
- © Integrated MPPT controller, with efficiency up to 99.9%.
- © With short circuit, under-voltage, overload, anti-reflux and other safety protection functions.
- © Compatible with lead-acid, lithium batteries, gel batteries, etc.
- © With two kinds of output modes(mains bypass & inverter output), it can supply the power uninterruptedly.
- © 4 types of charging modes are optional: mains priority, photovoltaic priority, hybrid charging, only solar energy
- © RS485, WIFI or GPRS telecommunication modules are optional

### Product Highlight

- © Adopt special inverter architecture to reliably suppress leakage current, leading the industry.
- © Excellent charging current control technology, effectively controlling the charging current ripple.
- © Can set the photovoltaic grid-connected mode.
- © Equipped with uphill driving function, with higher load power and more types of loads.
- © With automatic dust removal function.
- © No battery, bypass output ensures uninterrupted power for critical loads.
- © The Maximum Supports up to 10 parallel machines, and three-phase group grid.
- © Power grid self-adaptation, supporting normal power generation under weak grid conditions.
- © The appearance is like a robotic cat, lively and friendly.
- © Customizable design to meet different customer needs.



### Product Appearance





**HS1033EH24L ~ 1055EH48P SERIES (PV High Voltage)**

MODEL	HS1033EH24L	HS1033EH48L	HS1045EH48L	HS1055EH48L	HS1055EH48P
Battery Voltage	24Vdc	48Vdc	48Vdc	48Vdc	48Vdc
Battery Type	Lead-acid, lithium batteries, gel batteries, etc				
<b>Output</b>					
Rated Output Power	3600VA/3300W	3600VA/3300W	5000VA/4500W	6000VA/5500W	6000VA/5500W
Parallel Function	N/A	N/A	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				
Efficiency(Peak)	93.8%				
Rated Current	14.3A	14.3A	19.6A	23.9A	23.9A
Transfer Time	10ms(Typical value)				
<b>PV Input</b>					
Max Input Power	3300W	3300W	4500W	5500W	5500W
MPPT Voltage Range	90~450Vdc		120~450Vdc		
Max Input Voltage	500Vdc		500Vdc		
Max Charging Current	100A	60A	100A	100A	100A
PV Countercurrent Protection	Yes				
<b>AC Input</b>					
Max Charging Current	60A	30A	60A	60A	60A
AC Input Voltage Range (UPS mode)	170~280Vac,±2%				
Frequency Range	(47-55Hz) ±0.3 / (57-65Hz) ±0.3				
<b>Battery Input</b>					
Voltage Range	20~33Vdc	40~60Vdc			
Max Charging Current	100A	60A	100A	100A	100A
Default Charging Current	30A	15A	30A	30A	30A
<b>General Parameters</b>					
Dimension. W*D*H(mm)	372*269*100		470*330*125		
Installation Method	Wall-mounted				
Weight (kg)	10		12		
Communication Mode	RS485, Optional WIFI/4G		RS485/Dry contact control, Optional WIFI/GPRS/4G		
<b>Operating Environment</b>					
Operating Ambient Temperature	-10°C~55°C				
Storage Ambient Temperature	-20°C~60°C				
Humidity	5%~95% Non-condensation				
Altitude	< 2000m				
Protection Degree	IP20				
<b>Certifications</b>					
Safety Certification	CE (IEC62109-1)				
EMC Certifications	IEC/EN61000-6-1/3,CLASS B				

Specifications are subject to change without advance notice.