



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

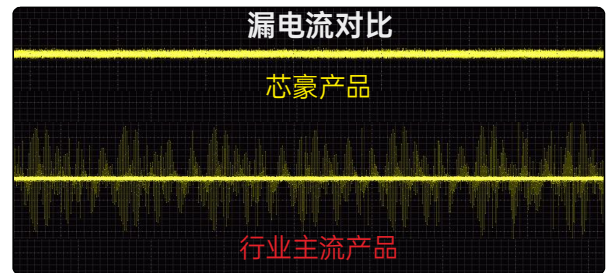
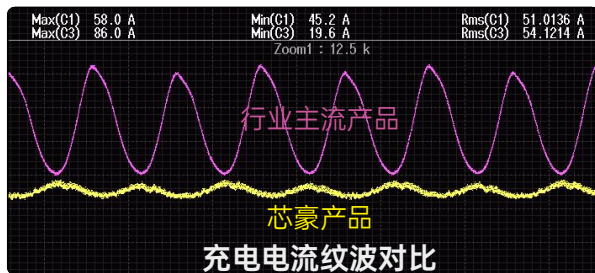


产品特性

- ◎ 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





HS1080EH48L~1100EH48P系列产品参数

型号	HS1080EH48L	HS1100EH48P
电池电压	48Vdc	
电池类型	铅酸电池、锂电池、胶体电池等	
输出		
额定输出功率	8000VA/8000W	10000VA/10000W
并机功能	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	92%	
额定电流	34.7A	43.5A
切换时间	10ms(典型值)	
PV 输入		
最大输入功率	5500W+5500W	
MPPT 电压范围	90~450Vdc	
最大输入电压	500Vdc+500Vdc	
最大充电电流	180±5A	200±5A
PV 防反功能	有	
交流输入		
最大充电电流	100±5A	120±5A
额定电压	220 / 230V	
额定频率	50 / 60Hz	
电池输入		
电压范围	40~60Vdc	
最大充电电流	180±5A	200±5A
常规参数		
尺寸 W*D*H (mm)	630*450*135	
安装方式	壁挂式	
重量 (kg)	26	26.5
通讯方式	RS485 , 可选 WIFI/4G	
工作环境		
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	
认证		
安规认证	CE-LVD ; CE-EMC	
EMC 认证	IEC/EN62109-1/2,IEC/EN61000-6-1/3	

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

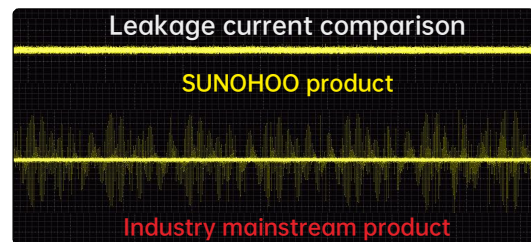
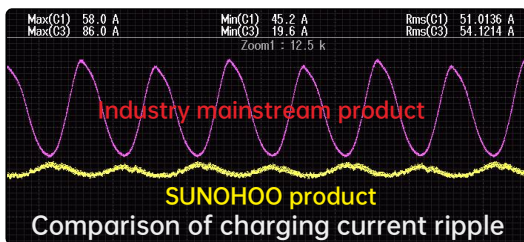
- ◎ Integrated MPPT controller, with efficiency up to 99.9%.
- ◎ With short circuit, under-voltage, overload, anti-reflux and other safety protection functions.
- ◎ Compatible with lead-acid, lithium batteries, gel batteries, etc.

- ◎ 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





HS1080EH48L ~ 1100EH48P SERIES

MODEL	HS1080EH48L	HS1100EH48P
Battery Voltage	48Vdc	
Battery Type	Lead-acid, lithium batteries, gel batteries, etc	
Output		
Rated Output Power	8000VA/8000W	10000VA/10000W
Parallel Function	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)	92%	
Rated Current	34.7A	43.5A
Transfer Time	10ms(Typical value)	
PV Input		
Max Input Power	5500W+5500W	
MPPT Voltage Range	90~450Vdc	
Max Input Voltage	500Vdc+500Vdc	
Max Charging Current	180±5A	200±5A
PV Countercurrent Protection	Yes	
AC Input		
Max Charging Current	100±5A	120±5A
Rated AC Input Voltage	220 / 230V	
Rated Frequency	50 / 60Hz	
Battery Input		
Voltage Range	40~60Vdc	
Max Charging Current	180±5A	200±5A
General Parameters		
Dimension. W*D*H(mm)	630*450*135	
Installation Method	Wall-mounted	
Weight (kg)	26	26.5
Communication Mode	RS485, Optional WIFI/4G	
Operating Environment		
Operating Ambient Temperature	-10°C~55°C	
Storage Ambient Temperature	-20°C~60°C	
Humidity	5%~95% Non-condensation	
Altitude	< 2000m	
Protection Degree	IP20	
Certifications		
Safety Certification	CE-LVD ; CE-EMC	
EMC Certifications	IEC/EN62109-1/2,IEC/EN61000-6-1/3,	

Specifications are subject to change without advance notice.