

**HAME**

# **ENERGY STORAGE SYSTEM SOLAR GENERATOR POWERSTATION**

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# ABOUT US

## OUR STORY

After a decade of working at and researching on the energy storage industry, in the spring of 2009, our founder, Peter Yang, set out with a vision of creating a cleaner energy storage product that would seamlessly integrate into everyone's life. Starting with the power bank products in 2010, HAME reached the sales of 18 million units of power banks and partnered up with Mophie, Belkin, Best-Buy and Walmart in the United States, and Varta, Lidl, Hama in Europe. We are now embarking on a new journey and will be dedicating to build up a whole line of power storage products for adventurers and all kinds of off-grid lives.

## COMMITMENT TO PRODUCT

HAME is and always will prioritize design, service and quality over everything else. One of the most important aspects to us when designing new products is that we use the highest quality, longest-lasting materials available. With a team of 200 engineers and scientists, we design all of our products from the ground up, rather white-labeling existing products. From BMS motherboard to MPPT controller and inverters, we always choose the best design and materials that stand out and outlast.

## EMBARKING ON THE NEW JOURNEY

Stepping into the second decade of our company, we have two factories in Xiangxi prefecture of western Hunan province. Our annual cell battery production capacity could reach 5GWh, supplying our 1 million units of portable energy storage products and 300,000 units of home energy storage products. Our headquarter, based in Shenzhen along with three other subsidiary companies, the Hame Group has over 1200 employees. Everything started with a simple idea, whatever HAME does, we always do it to our best and with same dedication like we had on the first day when we embark on the road. We have gotten a tad bigger, but we never forget to remain true and loyal to our clients and customers, from China to USA, from phone-users to outdoor adventurers!



Battery Manufacture Base



Portable Power Manufacture Base



Energy Storage Manufacture Base





# MARS RESIDENTIAL ENERGY STORAGE SYSTEM

10.2kWh~30.7kWh

## ADVANTAGES

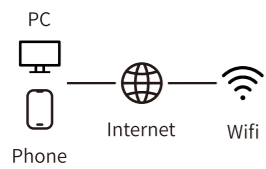
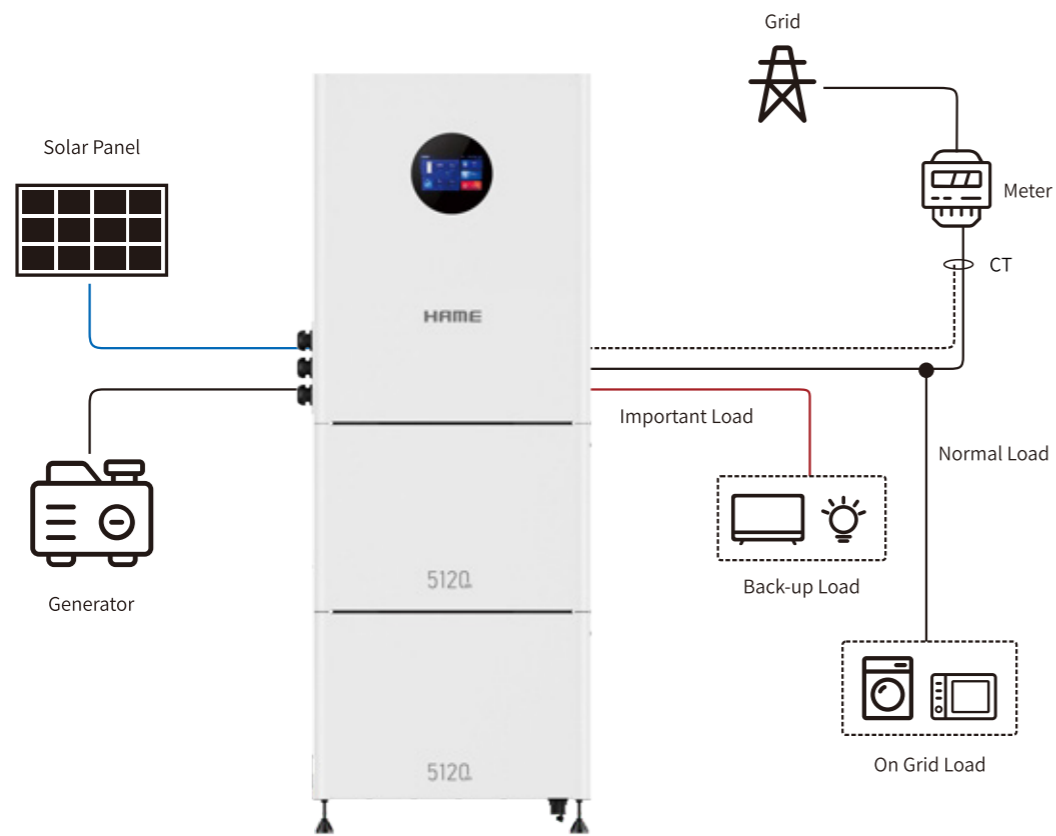
- Multi-machine parallel connection supported. Maximum Power to 30.7 kWh.
- LiFePO<sub>4</sub> cells, 5120Wh supplied by one battery module, Max. 6 units capacity is 30.7kWh.
- 80% capacity powered within 1-hour charging time by PV 7.5kW-12kW fast charging, 5.5kVA-8.8kVA AC Output supported.
- Cable-free stacked design by connector.
- Anti-Islanding effect supported that can shut them off and disconnect them from the grid during a power outage.
- App Remote Control & Monitor supported.





## RESIDENTIAL ESS APPLICATION


- Mars residential energy system makes green energy 24/7 available.
- Store daytime energy from photovoltaic and makes it available at any time.
- Peak shaving and valley filling, intelligent purchase or sale of electricity from the power grid, save electric bills and earn money.
- Rural areas that the power grid hardly covers can have stable and cheap electricity from PV systems by using ESS.
- UPS power function supported when an unexpected interruption occurs.
- Higher fuel efficiency compared with oil-fired power generation.




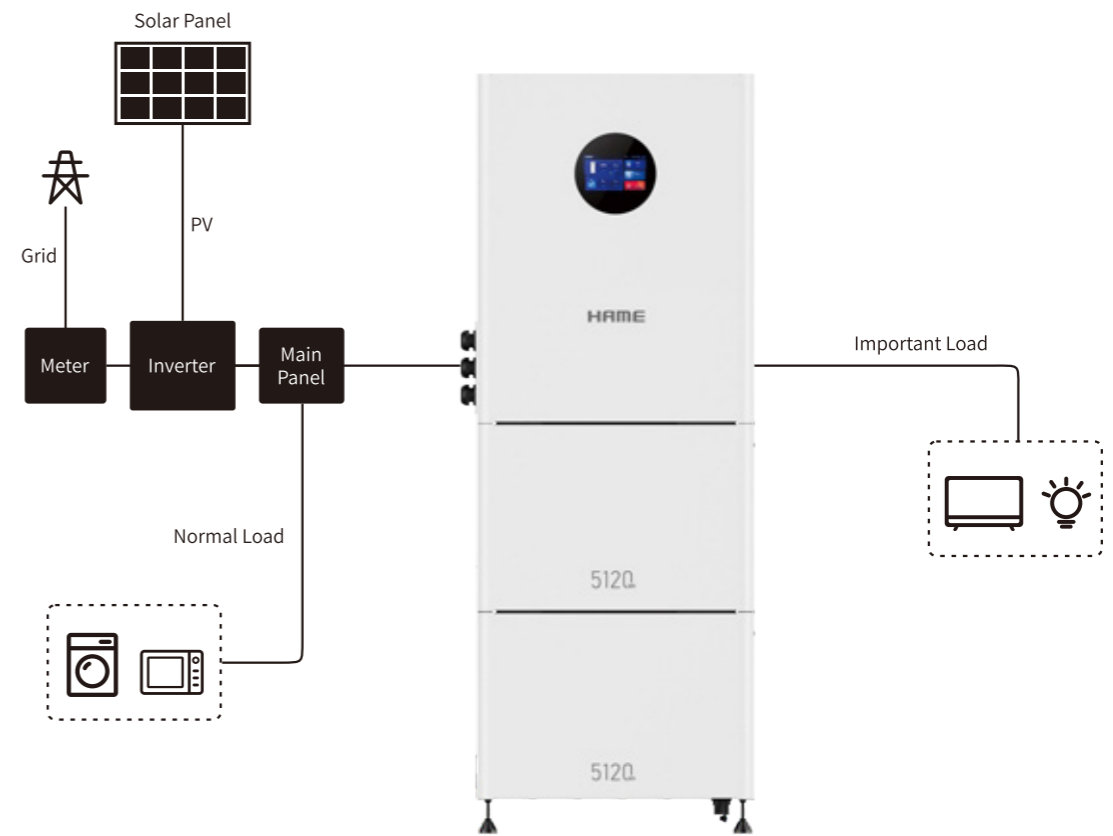
## SOLAR BATTERY STORAGE & BACKUP SYSTEM

### AC-COUPLED STORAGE SYSTEM

  
Fearless of  
Power Outage

  
Easily Cope with Various  
Weather Conditions

  
Keep Appliances Running  
Seamlessly



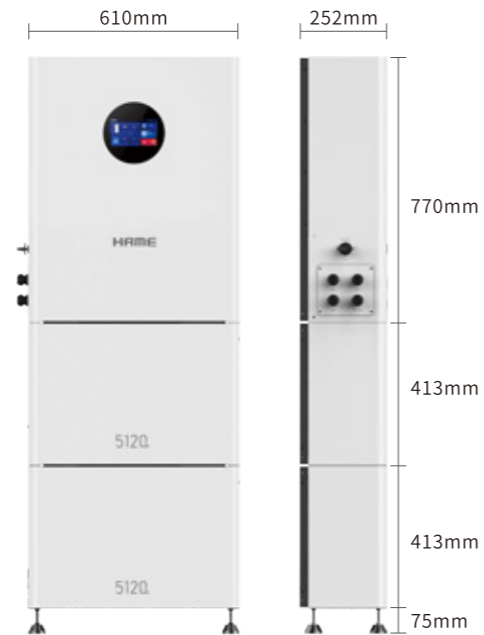
- User has already installed PV energy system at home, Mars energy storage system can work as home power backup directly, you can DIY quickly instead of waiting for qualified electrician.

- No need communication with PV inverter you already installed, no need any change for the existing PV energy system.



# SINGLE-PHASE ESS

## SPECIFICATIONS

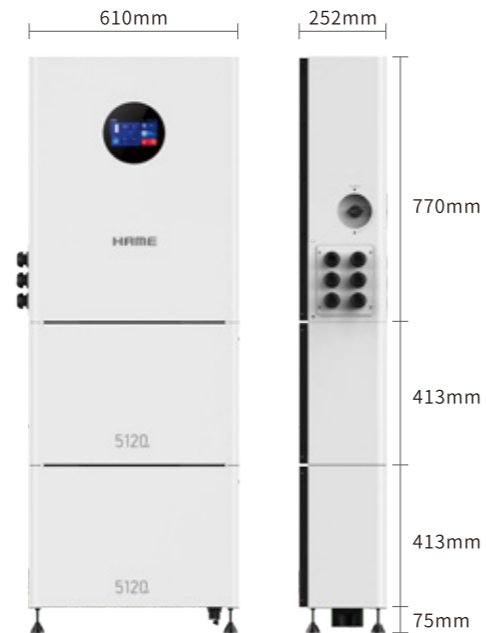


Model	H3K6L	H4K6L	H6KL
<b>PV Input</b>			
MAX.DC Input Power	4.6kW	6kW	7kW
NO.MPPT Tracker	2/1		
MPPT Range	125V~500V / 360V		
MAX.DC Input Voltage	550V		
MAX.Input Current	14A*2		
<b>AC Output (On-Grid)</b>			
Rated Active Power	3.6kW	4.6kW	6kW
Max. Apparent Power	3.96kVA	5.06kVA	6.6kVA
Output Voltage Range	230V / 176V~270V		
Output Frequency	50Hz / 60Hz		
Nominal AC Current	16A	20A	26A
Max.AC Current	16A	20A	26A
Max.AC Current From Grid	16A	20A	26A
Output Power Factor	0.8leading~0.8lagging		
OutPut THDI	< 3%		

Model	H3K6L	H4K6L	H6KL
<b>AC Output (Back-Up)</b>			
Rated Active Power	3.6kW	4.6kW	6kW
Max. Apparent Power	3.96kVA	5.06kVA	6.6kVA
Nominal Output Voltage L-N/L1-L2	230V		
Nominal Output Frequency	50Hz		
Output THDU	< 2%		
<b>Efficiency</b>			
Europe Efficiency	≥97%		
MAX. Battery to Load Efficiency	≥97.6%		
<b>General info</b>			
Dimension	610*252*(770+75+413*N)mm		
Weight	34kg(Inverter)+56kg*N(Power Module)		
Battery Type	LiFePO <sub>4</sub>		
Cooling Strategy	Natural Convection		
Standby Power	<2W (Work) / <50mW (Sleep)		
Protection Rated	IP65		
Altitude	≤2000m		
Operating Temperature Range	0°C~50°C		
Humidity	5%~95%		
Display	APP / TFT Screen		
Communication Interface	RS485 / CAN		
Warranty	10 Years		
<b>Compliance</b>			
Safety	IEC 62109 / IEC62040		
	ANSI / CAN / UL1973:2022		
	VDE2510-50		
	CEEMCEN61000-6-1 / 2 / 3 / 4:2017		
	CELVD EN62477-1		
EMC	EN61000-6-1 / -2 / -3 / -4		
Grid Connection Standards	AS4777.2 / CEI0-21/ G99 / G100 / NRS 097 / EN50549 / PEA		
Transportation	UN38.3 (ST / SG / AC.10 / 11 / Rev.7 / Amend.1PartIIsub-section 38.3)		

# THREE-PHASE ESS

## SPECIFICATIONS



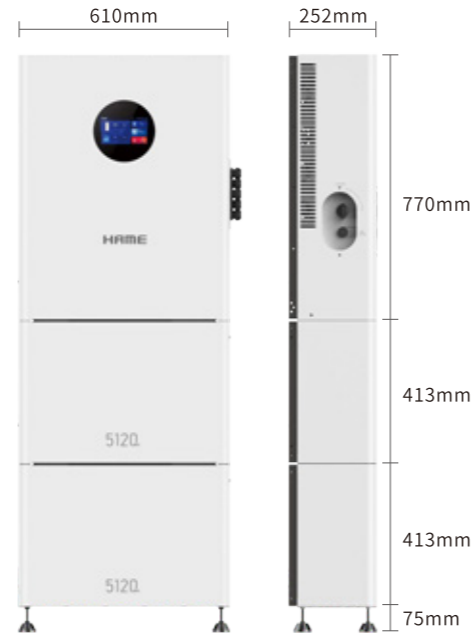
Model	H8KH3	H10KH3	H12KH3
<b>PV Input</b>			
MAX.DC Input Power	11kW	13kW	15.6kW
NO.MPPT Tracker	2/1		
MPPT Range	125V~850V		
MAX.DC Input Voltage	1000V		
MAX.Input Current	13A*2		
<b>AC Output (On-Grid)</b>			
Rated Active Power	8kW	10kW	12kW
Max. Apparent Power	8.8kVA	11kVA	13.2kVA
Output Voltage Range	400V / 360V~440V		
Output Frequency	50Hz / 60Hz		
Nominal AC Current	12.7A	15.8A	19.0A
Max.AC Current	12.7A	15.8A	19.0A
Max.AC Current From Grid	12.7A	15.8A	19.0A
Output Power Factor	0.8leading~0.8lagging		
OutPut THDI	< 3%		

Model	H8KH3	H10KH3	H12KH3
<b>AC Output (Back-Up)</b>			
Rated Active Power	8kW	10kW	12kW
Max. Apparent Power	8.8kVA	11kVA	13.2kVA
Nominal Output Voltage L-N/L1-L2	400V		
Nominal Output Frequency	50Hz		
Output THDU	<2%		
<b>Efficiency</b>			
Europe Efficiency	97.90%	98.20%	98.20%
MAX. Battery to Load Efficiency	97.20%	98.50%	98.50%
<b>General info</b>			
Dimension	610*252*(770+75+413*N)mm		
Weight	34kg(Inverter)+56kg*N(Power Module)		
Battery Type	LiFePO <sub>4</sub>		
Cooling Strategy	Natural Convection		
Standby Power	<2W (Work) / <50mW (Sleep)		
Protection Rated	IP65		
Altitude	≤2000m		
Operating Temperature Range	0°C~50°C		
Humidity	5%~95%		
Display	APP / TFT Screen		
Communication Interface	RS485 / CAN		
Warranty	10 Years		
<b>Compliance</b>			
Safety	IEC 62109 / IEC62040		
	ANSI / CAN / UL1973:2022		
	VDE2510-50		
	CEEMCEN61000-6-1 / 2 / 3 / 4:2017		
EMC	CELVD EN62477-1		
	EN61000-6-1 / -2 / -3 / -4		
Grid Connection Standards	AS4777.2 / CEI0-21 / G99 / G100 / NRS 097 / EN50549 / PEA		
Transportation	UN38.3 (ST / SG / AC.10 / 11 / Rev.7 / Amend.1PartIIsub-section 38.3)		



# SPLIT-PHASE SERIES

## SPECIFICATIONS



Model	H5KLNA	H6KLNA	H7KLNA	H8KLNA
<b>PV Input</b>				
MAX.DC Input Power	7.5kW	9kW	12kW	12kW
NO.MPPT Tracker	4			
MPPT Range	120V~500V			
MAX.DC Input Voltage	500V			
MAX.Input Current	12A			
<b>AC Output (On-Grid)</b>				
Rated Active Power	5kVA	6kVA	7.6kVA	8kVA
Max. Apparent Power	5.5kVA	6.6kVA	8.4kVA	8.8kVA
Output Voltage Range	110V-120V/220V-240V split phase,1Ø,230 1 phase			
Output Frequency	50Hz/ 60Hz (45Hz to 54.9Hz/55Hz to 65Hz)			
Nominal AC Current	21.7A	26A	33A	34.8A
Max.AC Current	24A	28.8A	36.5A	38.3A
Max.AC Current From Grid	35A	35A	50A	50A
Output Power Factor	0.8leading~0.8lagging			
OutPut THDI	< 2%			

Model	H5KLNA	H6KLNA	H7KLNA	H8KLNA
<b>AC Output (Back-Up)</b>				
Rated Active Power	5kVA	6kVA	7.6kVA	8kVA
Max. Apparent Power	5.5kVA	6.6kVA	8.4kVA	8.8kVA
Nominal Output Voltage L-N/L1-L2	120V / 240V			
Nominal Output Frequency	60Hz			
Output THDU	<2%			
<b>Efficiency</b>				
Europe Efficiency	≥97.8%			
MAX. Battery to Load Efficiency	≥97.2%			
<b>General Info</b>				
Dimension	610*252*(770+75+413*N)mm			
Weight	62kg(Inverter)+53kg*N(Power Module)			
Cooling Strategy	Natural Convection			
Standby Power	<2W(Work)/<50mW(Sleep)			
Protection Rated	IP65			
Altitude	≤2000m			
Operating Temperature Range	0°C~50°C			
Display	APP/TFT Screen			
Communication Interface	RS485, CAN			
Warranty	10 Years			
<b>Battery Module(Single Unit)</b>				
Capacity	5120Wh			
Battery Type	LiFeO <sub>4</sub>			
Voltage	51.2V			
Current	100A			
DoD	90%			
Dimension(L*W*H)	610*227*395mm			
Weight	53kg			
Operation Voltage	44V~58.4V			
Charge Voltage	52.5V~59.4V			
Charge/Discharge Current	100A/100A			
Peak Charge/Discharge Current	115A(Peak@10s)/130A(Peak@1s)			
<b>Compliance</b>				
Safety	UL 9540A,UL9540,UL1741&UL1741 SA All Options, UL1699B, CSA C22.2, UL62109-1, UL1998			
EMC	FCC Part 15 Class B			
Grid Connection Standards	IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I, II, III			
Transportation	UN38.3(ST/SG/AC.10 /11/ Rev.7 /Amend.1 Part III Sub-section 38.3)			

# MARS BATTERY ENERGY STORAGE SYSTEM

10.2kWh~30.7kWh



## ADVANTAGES

- Flexible capacity options, from 10.2kWh-30.7kWh.
- Excellent safety of LiFePO<sub>4</sub> battery used. certified by IEC, CE Lab.
- Compatible with most of the branded inverters in the market.
- Cycle life > 6000+.
- Easy installation with floor stand and wall mount (optional).
- Modulize design for easy assembly and overheating control.
- IP65 protection rated.





## CLASS A BATTERY CELL, LONG LIFECYCLE, ULTRA-SAFE

Developed with own LiFePO<sub>4</sub> cell to ensure high safety, 50Ah large monomer laminated cells enable fewer battery cells used, longer lifecycle expectancy, more than 6000 cycles with 90% DoD, less heat, and less than 2mΩ internal resistance.



## VARIOUS CAPACITY ON YOUR DEMAND

10.2kWh / 15.3kWh / 20.4kWh / 25.6kWh / 30.7kWh Capacity based on 2-6 battery modules combination.

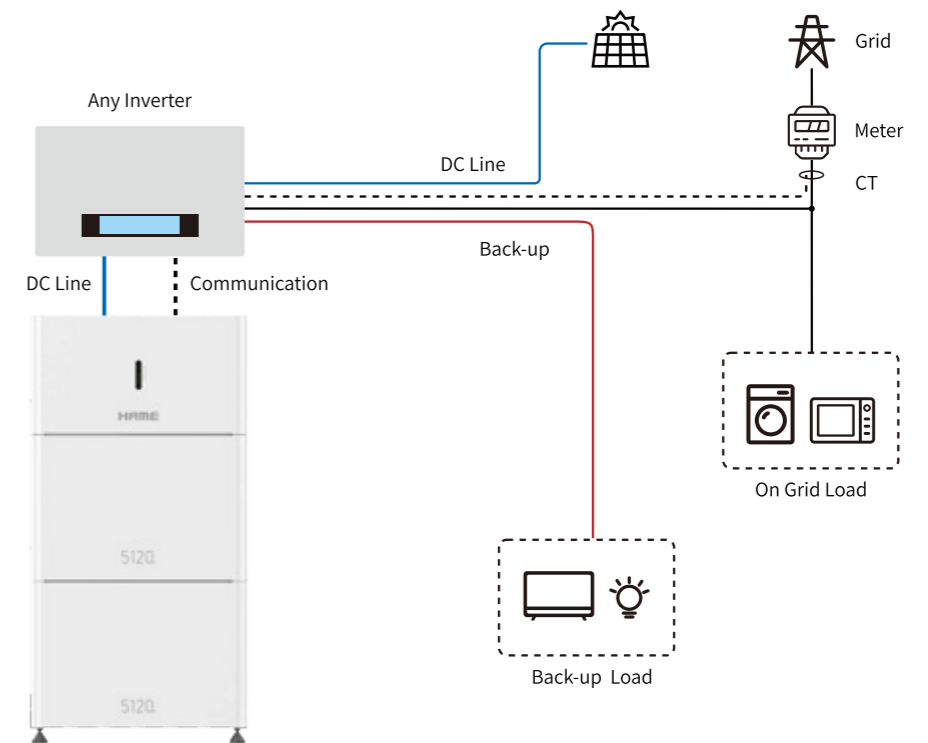


## WIDE COMPATIBILITY MATCHING LEADING INVERTER BRAND

Inverter Brands Supported By Battery Energy Storage System



## WIDE COMPATIBILITY MATCHING LEADING INVERTER BRAND



## LOW-VOLTAGE BESS SPECIFICATIONS



Battery Module	1*TC5000L, 2*T5000L	1*TC5000L, 3*T5000L	1*TC5000L, 4-6*T5000L
Module No.	2	3	N(3<N≤6)
Energy Capacity	10.2kWh	15.3kWh	5120Wh*N
Dimension	580*160*1110mm	580*160*1505mm	580*160*(395+395*N)mm
Weight	100kg	145kg	190kg~280kg
Max Charge(Battery Pack Clusters)	200A	200A	200A
Max Discharge(Battery Pack Clusters)	200A	200A	200A
<b>General Info</b>			
Battery Type	LiFePO <sub>4</sub>		
Nominal Voltage	51.2V		
Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc		
Voltage Range for Battery Modules	44V~58.4V		
Charge Volatge	52.5V~59.4V		
Peak Charge Current	115A (Peak@10s) (Single Battery Module)		
Peak Discharge Current	130A(Peak@1s) (Single Battery Module)		
DoD	90%		
Network Interface	RS485/Can		
Parallel Connection No.	2~6		
Cyclelife	6000+		
Warranty	10 Years		
<b>Environment</b>			
Altitude	≤2000m		
Storage Humidity	5%~95%		
Protection Rated	IP65		
Storage Temperature	-20°C~60°C		
Discharge Temperature	0°C~50°C		
Charge Temperature	0°C~50°C		
<b>Compliance</b>			
Safety	CB IEC62619:2017		
	IEC 63056:2020		
	CE LVD EN62477-1		
	CE EMC EN61000-6-1 / 2 / 3 / 4:2017		
	ANSI / CAN / UL 1973:2022		
	UK Conformity Assessed		
	VDE 2510-50		
Transportation	UN38.3 (ST / SG / AC.10 / 11 / Rev.7 / Amend.1 Part III Sub-section 38.3)		
Health & Environment	RoHs Directive2011 / 65 / EU / 2015 / 863		

## HIGH-VOLTAGE BESS SPECIFICATIONS



Battery Module	1*TC5000H, 2*T5000H	1*TC5000H, 3*T5000H	1*TC5000H, 4-6*T5000H
Module No.	2	3	N(3<N≤6)
Energy Capacity	10.2kWh	15.3kWh	5120Wh*N
Dimension	580*160*1110mm	580*160*1505mm	580*160*(395+395*N)mm
Weight	108kg	153kg	198kg~288kg
Max Charge(Battery Pack Clusters)	50A	50A	50A
Max Discharge(Battery Pack Clusters)	50A	50A	50A
<b>General Info</b>			
Battery Type	LiFePO <sub>4</sub>		
Nominal Voltage	102.4V(Single Battery Module)		
Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc		
Voltage Range for Battery Modules	(92.8V~116.8V) *N(2≤N≤6)		
Charge Volatge	(96V~113.6V) *N(2≤N≤6)		
Peak Charge Current	60A(Peak@6s)		
Peak Discharge Current	60A(Peak@6s)		
DoD	90%		
Network Interface	RS485/Can		
Series Connection No.	2~6		
Cyclelife	6000+		
Warranty	10 Years		
<b>Environment</b>			
Altitude	≤2000m		
Storage Humidity	5%~95%		
Protection Rated	IP65		
Storage Temperature	-20°C~60°C		
Discharge Temperature	0°C~50°C		
Charge Temperature	0°C~50°C		
<b>Compliance</b>			
Safety	CB IEC62619:2017		
	IEC 63056:2020		
	CE LVD EN62477-1		
	CE EMC EN61000-6-1/2/3/4:2017		
	ANSI/CAN/UL 1973:2022		
	UK Conformity Assessed		
	VDE 2510-50		
Transportation	UN38.3 (ST/SG/AC.10/11/Rev.7/Amend.1 Part III sub-section 38.3)		
Health & Environment	RoHs Directive2011/65/EU/2015/863		



# SATURN SERIES Balcony Solar Battery System

MICRO ESS-B2500H

- Integrated MPPT and BMS power management technology, supporting 2240Wh-6720Wh capacity expansion
- Easy Plug-and-play Installation, compatible with 99% of solar panels and micro inverters in the market
- Support synergistic micro-inverters for string formation, expand capacity and support greater output power at the same time
- Lithium iron phosphate battery, 6-fold safety protection, 6000+ cycle times, 10 years lifespans.
- Original laminated low-voltage large batteries, ultra-low self-consumption
- Fanless and noiseless design, IP65 waterproof, high temperature resistant and fireproof materials, fully satisfy the balcony all-weather field
- Smart APP online real-time monitoring, multiple modes can be selected to facilitate multi-scenario application switching.





**EXPANDABLE CAPACITY**  
2240Wh~6720Wh



**HIGH POWER**  
1000W PV Input  
800W DC Output



**USE LESS GRID POWER**  
Save on Energy Costs



**5-MINUTE INSTALLATION**  
Just Plug and Play



**HIGH SAFETY**  
LiFePO<sub>4</sub> Battery  
IP65 Waterproof  
Over 10 Years Lifespan  
Lifecycle 6000+Times



**SMART REMOTE CONTROL**  
Real-Time Energy Analysis on APP



## SPECIFICATIONS



Model		B2500H
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Lifecycle	6000+ Cycles to 80% Capacity
	Storage Temp.	14°F~131°F(-10°C~55°C)
	Operating Temp.	14°F~104°F(-10°C~40°C)
	Material	ABS + PC / Metal
	Weight	20±0.5kg
	Dimensions	295*175*350mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc
	Wireless	BT5.2 + WIFI 2.4G
MC4*2 PV INPUT	Power	500W*2 Max
	Voltage Range	12V~59V
	Max. Input Current	13.5A*2
MC4*2 OUTPUT	Power	400W*2 Max
	Voltage Range	16V~40V
	Max. Output Current	15A*2



# P2500H EXTRA BATTERY FOR B2500H

2240Wh



## SPECIFICATIONS

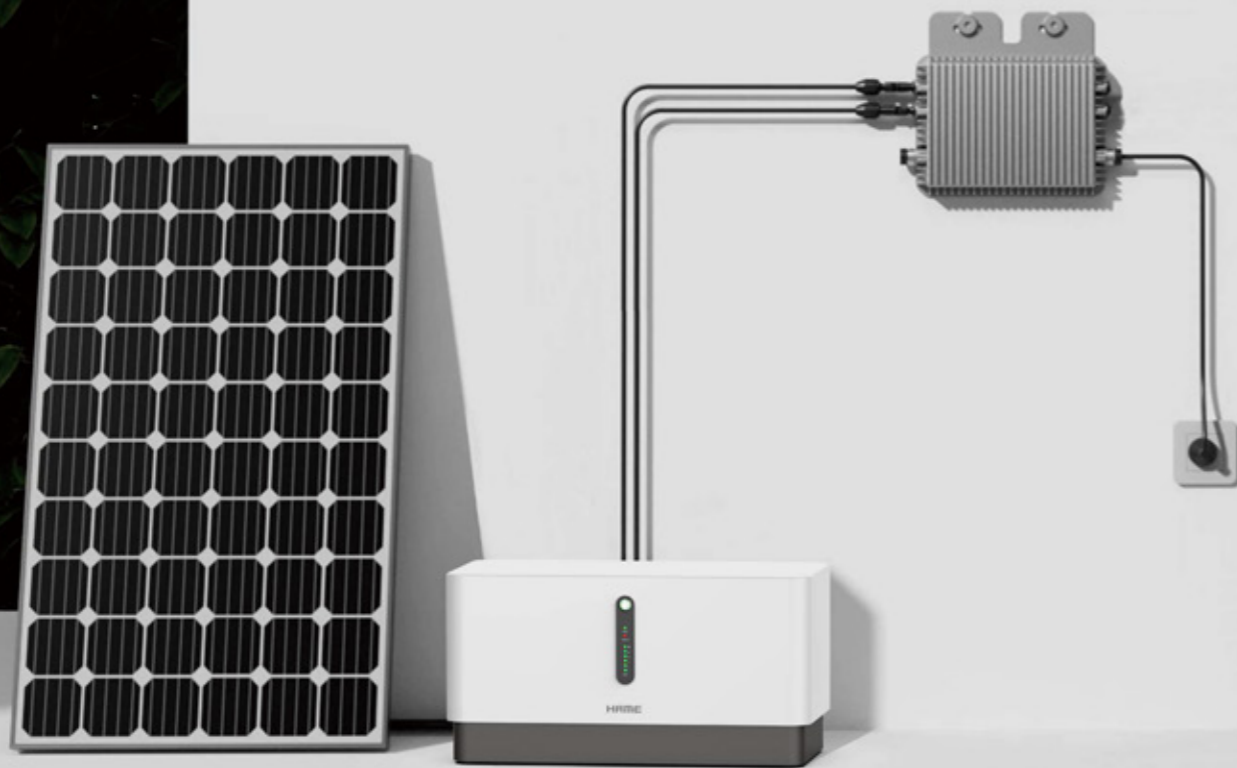


	Model	P2500H
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Nominal Current	50A
	Lifecycle	6000+ Cycles to 80% Capacity
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	18±0.5kg
	Dimensions	295*175*350mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
INPUT	Battery Voltage Range	44.8V
	Charge Voltage	52.5V
	Charge Current	50A
OUTPUT	Discharge Current	100A
	DoD	90%



# SATURN SERIES Balcony Solar Battery System

MICRO ESS-B1200



## SPECIFICATIONS



Model		B1200
GENERAL	Capacity	1030Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Lifecycle	6000+ Cycles to 80% Capacity
	Storage Temp.	14°F~131°F(-10°C~55°C)
	Operating Temp.	14°F~104°F(-10°C~40°C)
	Material	Metal
	Weight	11.4±0.5kg
	Dimensions	393*190*204mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc
MC4*2 PV INPUT	Wireless	BT5.2 + WIFI 2.4G
	Power	500W Max
	Voltage Range	12V~59V
MC4*2 OUTPUT	Max. Input Current	13.5A
	Power	400W Max
	Voltage Range	16V~40V
	Max. Output Current	15A







#### EXPANDABLE CAPACITY

The maximum capacity of a single product is 2240Wh, and the expandable design can expand two battery packs to reach a maximum capacity of 6720Wh.



#### Large Monomer Laminated Battery

The application of large monomer laminated cells enable fewer number of battery cells used, longer life cycle expectancy, less heat, and less than 0.5mΩ internal resistance.



#### Bi-Directional Inverter Technology

With AC input up to 2000W, the powerstation can be fully charged in around 1 hour. With rated 2400W max AC output the powerstation enables charging large power consumption equipments.



#### High-power Solar Charging

With a MPPT charging management technology, it supports solar panel charging from 240W to 1000W. It makes the powerstation much convenient for outdoor recharging.



#### Smart Power Charge Technology

SPC(Smart Power Charge) enables the powerstation to charge equipments with larger power consumption up to 2800W. It meets almost all your equipment charging necessities.



#### Ultra-low Standby Power Consumption

Intelligent detection control algorithm. The powerstation automatically monitors its working status and switches on and off standby mode in accordance. Micro-ampere power consumption enables long standby time without self-discharge.



#### Smart APP

The smart APP supports monitoring and controlling each working mode.



#### Six Charging and Discharging Protection Modes of BMS

OVP, UVP, OCP, SCP, OTP, UTP.





# S500-Pro PORTABLE POWERSTATION

518Wh



**518Wh**

Capacity

**200W Max**

Solar Input

**500W Max**

AC Input

**500W Max**

AC Output

## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.

Overcurrent Protection  
Switches × 1

AC Input × 1

XT60 Input × 1

DC 5525 Output × 2

Car Port × 1



AC Output × 2

USB-C Output × 1

USB-A Output × 3

	Model	S500-Pro
GENERAL	Capacity	518Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	27Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen
	Storage Temp.	-4°F~-140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	7.5±0.5kg
	Dimensions	333*184*224mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
	Solar Charge System	MPPT Charge Controller
INPUT	AC	500W Max (220V~240V@50Hz) / 500W Max (100V~120V@60Hz)
	XT60	200W Max
OUTPUT	AC	500W Max (220V~240V@50Hz) / 500W Max (100V~120V@60Hz)
	USB-C	100W Max
	USB-A	18W Max (5V~12V)
	DC 5525	120W (12V / 10A)
	Car Port	120W (12V / 10A)



# S1000-Pro PORTABLE POWERSTATION

1030Wh



**1030Wh**

Capacity

**800W Max**

Solar Input

**1000W Max**

AC Input

**1200W/1000W Max**

AC Output

## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.

Overcurrent Protection  
Switches × 1

AC Input × 1

XT60 Input × 1

DC 5525 Output × 2

Car Port × 1



AC Output × 2

USB-C Output × 2

USB-A Output × 2

	Model	S1000-Pro
GENERAL	Capacity	1030Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	23Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen
	Storage Temp.	-4°F~-140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	12±0.5kg
	Dimensions	333*184*224mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
	Solar Charge System	MPPT Charge Controller
INPUT	AC	1000W Max (220V~240V@50Hz) / 1000W Max (100V~120V@60Hz)
	XT60	800W Max
OUTPUT	AC	1200W Max (220V~240V@50Hz) / 1000W Max (100V~120V@60Hz)
	USB-C	100W Max
	USB-A	18W Max (5V~12V)
	DC 5525	120W (12V / 10A)
	Car Port	120W (12V / 10A)



# S2200-Pro PORTABLE POWERSTATION

2240Wh



**2240Wh**  
Capacity

**1000W Max**  
Solar Input

**2000W Max**  
AC Input

**2400W/2000W Max**  
AC Output

## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.



	Model	S2200-Pro
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	50Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	22.5±0.5kg
	Dimensions	405*288*255mm
	Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc.
	Solar Charge System	MPPT Charge Controller
INPUT	XT60	500W*2 Max (DC / Solar 12V~59V)
	AC	2000W Max (220V~240V@50Hz) / 1500W Max (100V~120V@60Hz)
OUTPUT	AC	2400W Max (220V~240V@50Hz) / 2000W Max (100V~120V@60Hz)
	USB-C #1	45W Max
	USB-C #2	100W Max
	USB-A	18W Max (5V~12V)
	DC 5525	120W (12V / 10A)
	Car Port	120W (12V / 10A)



# B2200F EXPANDABLE BATTERY BOX FOR S2200-Pro

2240Wh



## SPECIFICATIONS

Connect to S2000-Pro



Model		B2200F
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Nominal Current	50A
	Lifecycle	4000+ Cycles to 80% Capacity
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	18±0.5kg
	Dimensions	360*288*185mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
INPUT	Battery Voltage Range	44.8V
	Charge Voltage	52.5V
	Charge Current	50A
OUTPUT	Discharge Current	100A
	DoD	95%







### EXPANDABLE CAPACITY

The maximum capacity of a single product is 2240Wh, and the expandable design can expand two battery packs to reach a maximum capacity of 6720Wh.



### Large Monomer Laminated Battery

The application of large monomer laminated cells enable fewer number of battery cells used, longer life cycle expectancy, less heat, and less than 0.5mΩ internal resistance.



### Bi-Directional Inverter Technology

With AC input up to 2000W, the powerstation can be fully charged in around 1 hour. With rated 2400W max AC output the powerstation enables charging large power consumption equipments.



### High-power Solar Charging

With a MPPT charging management technology, it supports solar panel charging from 240W to 1000W. It makes the powerstation much convenient for outdoor recharging.



### Smart Power Charge Technology

SPC(Smart Power Charge) enables the powerstation to charge equipments with larger power consumption up to 2800W. It meets almost all your equipment charging necessities.



### Ultra-low Standby Power Consumption

Intelligent detection control algorithm. The powerstation automatically monitors its working status and switches on and off standby mode in accordance. Micro-ampere power consumption enables long standby time without self-discharge.



### Smart APP

The smart APP supports monitoring and controlling each working mode.



### Six Charging and Discharging Protection Modes of BMS

OVP, UVP, OCP, SCP, OTP, UTP.





# A500F-Pro PORTABLE POWERSTATION

518Wh



**518Wh**  
Capacity

**200W Max**  
Solar Input

**500W Max**  
AC Input

**500W Max**  
AC Output

## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.

Overcurrent Protection  
Switches × 1

AC Input × 1

XT60 Input × 1

DC 5525 Output × 2

Car Port × 1



AC Output × 2

USB-C Output × 1

USB-A Output × 3

Model		A500F-Pro
GENERAL	Capacity	518Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	27Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen
	Storage Temp.	-4°F~-140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	7.5±0.5kg
	Dimensions	333*184*224mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
Solar Charge System	MPPT Charge Controller	
INPUT	AC	500W Max (220V~240V@50Hz) / 500W Max (100V~120V@60Hz)
	XT60	200W Max
OUTPUT	AC	500W Max (220V~240V@50Hz) / 500W Max (100V~120V@60Hz)
	USB-C	100W Max
	USB-A	18W Max (5V~12V)
	DC5525	120W (12V / 10A)
	Car Port	120W (12V / 10A)



# A1000F-Pro PORTABLE POWERSTATION

1030Wh



**1030Wh**  
Capacity

**800W Max**  
Solar Input

**1000W Max**  
AC Input

**1200W/1000W Max**  
AC Output

## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.

Overcurrent Protection  
Switches × 1

AC Input × 1

XT60 Input × 1

DC 5525 Output × 2

Car Port × 1



AC Output × 2

USB-C Output × 2

USB-A Output × 2

Model		A1000F-Pro
GENERAL	Capacity	1030Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	23Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen
	Storage Temp.	-4°F~-140°F(-20°C~-60°C)
	Operating Temp.	32°F~-122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	12±0.5kg
	Dimensions	340*220*250mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
Solar Charge System	MPPT Charge Controller	
INPUT	AC	1000W Max (220V~240V@50Hz) / 1000W Max (100V~120V@60Hz)
	XT60	800W Max
OUTPUT	AC	1200W Max (220V~240V@50Hz) / 1000W Max (100V~120V@60Hz)
	USB-C	100W Max
	USB-A	18W Max (5V~12V)
	DC5525	120W (12V / 10A)
	Car Port	120W (12V / 10A)



# A2200F PORTABLE POWERSTATION

2240Wh



**2240Wh**  
Capacity

**1000W Max**  
Solar Input

**2000W Max**  
AC Input

**2400W/2000W Max**  
AC Output

## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.



	Model	A2200F
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	50Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	22.5±0.5kg
	Dimensions	405*288*255mm
	Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc.
	Solar Charge System	MPPT Charge Controller
INPUT	XT60	500W*2 Max (DC / Solar 12V~59V)
	AC	2000W Max (220V~240V@50Hz) / 1500W Max (100V~120V@60Hz)
OUTPUT	AC	2400W Max (220V~240V@50Hz) / 2000W Max (100V~120V@60Hz)
	USB-C #1	45W Max
	USB-C #2	100W Max
	USB-A	18W Max (5V~12V)
	DC5525	120W (12V / 10A)
	Car Port	120W (12V / 10A)



# B2200F EXTRA BATTERY BOX FOR A2200

2240Wh



## SPECIFICATIONS

Connect to A2200



	Model	B2200F
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Nominal Current	50A
	Lifecycle	4000+ Cycles to 80% Capacity
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC / Metal
	Weight	18±0.5kg
	Dimensions	360*288*185mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
INPUT	Battery Voltage Range	44.8V
	Charge Voltage	52.5V
	Charge Current	50A
OUTPUT	Discharge Current	100A
	DoD	90%



# MICRO RESIDENTIAL ENERGY STORAGE BACKUP SYSTEM

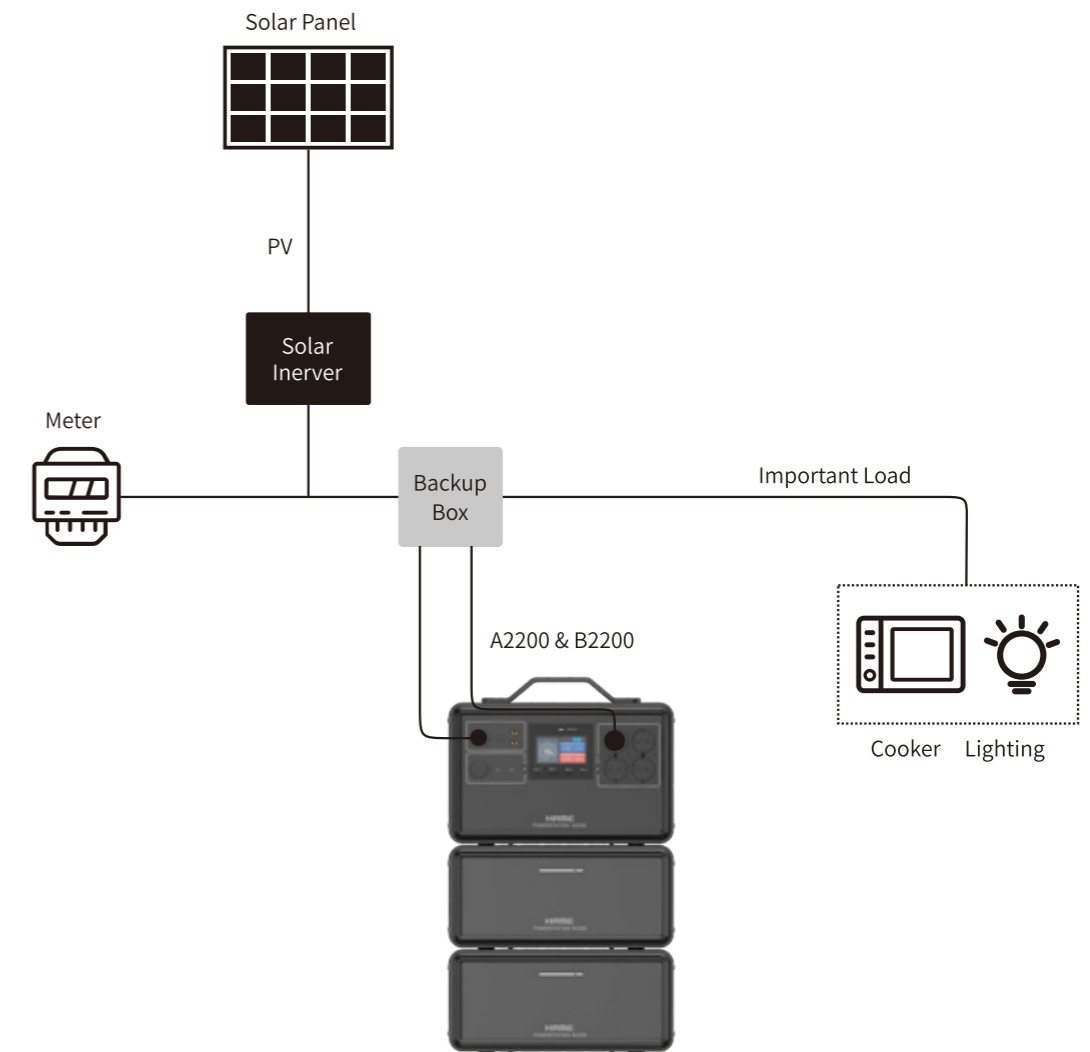
1000W Solar Input / 2000W/1500W AC Input  
2400W/2000W AC Output

- S2200-Pro has 2240Wh, which can be expanded up to 6720Wh
- Solar Solution for Home Applications, ultra-durable & safe power for everyday needs



# MICRO RESIDENTIAL ENERGY STORAGE BACKUP SYSTEM

- Easy to install
- 2000W / 1500W AC input, 1000W solar input, fast charging
- 2400W / 2000W AC output can meet all kinds of household equipments



Home Power Back-up Application



# M5000 & P5000 SOLAR GENERATOR

5000W AC Output / 5000W AC Input  
5120Wh~15360Wh / 7000W PV Input



#### Expandable Capacity

Max. two expansion battery modules  
The max. capacity is 15.36kWh.



#### Multiple High Output

Max. 5000W output, 5 AC pure sine  
wave discharging interfaces.



#### High-power PV Input

Support max. 7000W PV input  
2 array PV ports.



#### UPS Function Supported

Milliseconds switching(< 20ms) while  
grid power cut off.



#### Fast AC Charge

Max. 5000W AC input. 1 hour  
charging about 80%.



#### Remote Control

The whole system can be viewed  
and controlled in real time through  
APP or browser.



#### IP65 Waterproof Design

IP65 waterproof grade. The waterproof  
design can prevent water from  
entering the top and around.



#### Easy Indoor/Outdoor Mobility

The big size & universal direction  
wheel design makes easily indoors  
and outdoors movements.

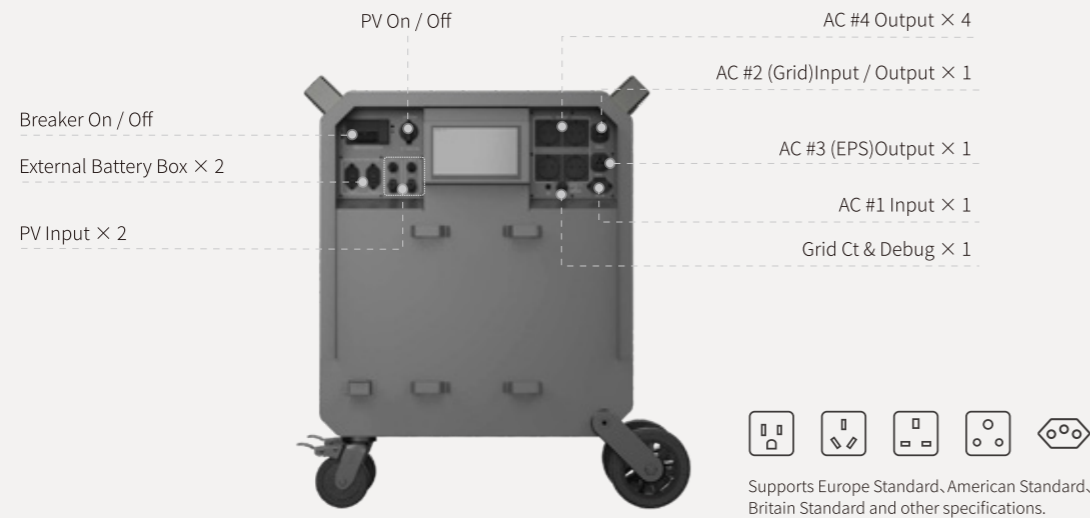


#### Ultra-pure Mute

No cooling fan design, super quiet  
and noiseless.



## SPECIFICATIONS



Model		M5000
GENERAL	Capacity	5120Wh * N (N≤3)
	Cell Chemistry	LiFePO <sub>4</sub>
	Nominal Current	100A
	Lifecycle	6000+ Cycles to 80% Capacity
	Indicator	APP / LCD Screen / Web
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	Metal
	Weight	90±0.5kg
	Dimensions (With Base)	721*408*809mm
	Dimensions (Without Base)	651*408*670mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
	Solar Charge System	MPPT Charge Controller
	INPUT	MC4 (Solar)
AC #1		2000W Max (220V~240V@50Hz)
AC #2 (Grid)		5000W Max (220V~240V@50Hz)
OUTPUT	AC #2 (Grid)	5000W Max (220V~240V@50Hz)
	AC #3 (EPS)	5000W Max (230V@50Hz)
		Automatic Switchover Time < 20ms
	AC #4	2000W Max for each(230V@50Hz), AC*4 ports total 5000W

## SPECIFICATIONS



Model		P5000
GENERAL	Capacity	5120Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Nominal Current	80A
	Lifecycle	6000+ Cycles to 80% Capacity
	Storage Temp.	-4°F~140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	Metal
	Weight	46±0.5kg
	Dimensions	596*466*210mm
	Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc.
INPUT	Battery Voltage Range	48V~58.4V
	Charge Voltage	58V Max
	Charge Current	80A
OUTPUT	Discharge Current	80A
	DoD	90%



# M3600 & P3600 SOLAR GENERATOR

3600W AC Output / 3600W AC Input  
3584Wh~10752Wh / 5500W PV Input



### Expandable Capacity

Max. two expansion battery modules  
The max. capacity is 10.7kWh.



### Multiple High Output

Max. 3600W output, 4 AC pure sine  
wave discharging interfaces.



### High-power PV Input

Support max 5500W PV input



### UPS Function Supported

Milliseconds switching(< 20ms) while  
grid power cut off.



### Fast AC Charge

Max. 3600W AC input. 1 hour  
charging about 80%.



### Remote Control

The whole system can be viewed  
and controlled in real time through  
APP or browser.



### Easy Indoor/Outdoor Mobility

The big size & universal direction  
wheel design makes easily indoors  
and outdoors movements.

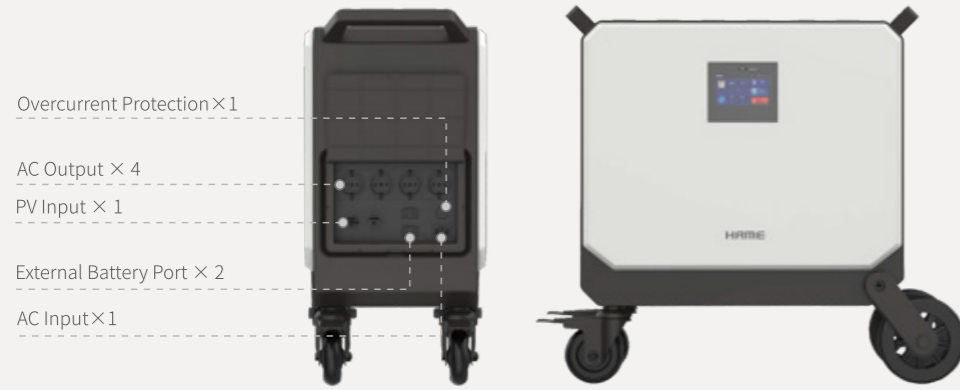




## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.



Model		M3600
GENERAL	Capacity	3584Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Nominal Current	70A
	Lifecycle	4000+ Cycles to 80% Capacity
	Indicator	APP / TFT Screen / Web
	Storage Temp.	-4°F~-140°F(-20°C~60°C)
	Operating Temp.	14°F~104°F(-10°C~40°C)
	Material	ABS+PC + Metal
	Weight	36±0.5kg
	Dimensions	682*338*647mm
	Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc
	Solar Charge System	MPPT Charge Controller
	INPUT	MC4
AC IN		3600W
OUTPUT	AC*4	3600W Max(220-240V@60Hz)

## SPECIFICATIONS



Model		P3600	
GENERAL	Capacity	3584Wh	
	Cell Chemistry	LiFePO <sub>4</sub>	
	Nominal Current	70A	
	Lifecycle	4000+ Cycles to 80% Capacity	
	Storage Temp.	-4°F~-140°F(-20°C~60°C)	
	Operating Temp.	14°F~104°F(-10°C~40°C)	
	Material	ABS+PC + Metal	
	Weight	35±0.5kg	
	Dimensions	682*338*647mm	
	Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc	
	INPUT	Battery Voltage Range	42V~58.8V
		Charge Voltage	58V Max
		Charge Current	70A
OUTPUT	Discharge Current	70A	
	DoD	90%	

# G1200 SOLAR GENERATOR

1200W / 1000W AC Output

1000W AC Input

1030Wh / 800W PV Input



## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.



Model		G1200
GENERAL	Capacity	1030Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	23Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Storage Temp.	-4°F~-140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC
	Weight	13±0.5kg
	Dimensions	430*219*309mm
	Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc.
Solar Charge System	MPPT Charge Controller	
INPUT	AC	1000W Max(220V~240V@50Hz) / 1000W Max (100V~120V@60Hz)
	MC4	800W Max(Solar/DC 12V~59V)
OUTPUT	AC	1200W Max(220V~240V@50Hz) / 1000W Max (100V~120V@60Hz)



# G2200 SOLAR GENERATOR

2400W / 2000W AC Output  
2000W / 1500W AC Input  
2240Wh / 1200W PV Input



## SPECIFICATIONS



Supports Europe Standard, American Standard, Britain Standard and other specifications.

Overcurrent Protection × 1

AC Input × 1

External Battery Port × 2

PV Input × 2



Turn ON/OFF × 1

AC Output × 3

	Model	G2200
GENERAL	Capacity	2240Wh
	Cell Chemistry	LiFePO <sub>4</sub>
	Single Cell Capacity	50Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity
	Storage Temp.	-4°F~-140°F(-20°C~60°C)
	Operating Temp.	32°F~122°F(0°C~50°C)
	Material	ABS + PC
	Weight	22±0.5kg
	Dimensions	456*286*343mm
	Battery Management System	OVP,UVP,OCP,SCP,OTP,UTP,etc.
Solar Charge System	MPPT Charge Controller	
INPUT	AC	2000W Max(220V~240V@50Hz) / 1500W Max (100V~120V@60Hz)
	MC4	600W*2 Max(Solar/DC 12V~59V)
OUTPUT	AC	2400W Max(220V~240V@50Hz) / 2000W Max (100V~120V@60Hz)



# S120 / S200 PORTABLE SOLAR PANELS

120W~200W



S120



S200

## SPECIFICATIONS

Model	S120	S200
Peak Power	120W	200W
Interface	MC4 / DC7909	MC4 / DC7909
Power Voltage	20.8V	23.14V
Power Current	5.76A	11.16A
Operating Temp.	14°F~149°F(-10°C~65°C)	14°F~149°F(-10°C~65°C)
Cell Efficiency	≥23%	≥23%
Cable Length	200cm	200cm
Dimensions(Folded)	616*381*25mm	681*555*45mm
Dimensions(Unfolded)	1370*616*15mm	2075*681*25mm

## THE SERIES-CONNECTION DIAGRAM

