

**HAME**

## **SATURN & VENUS PORTABLE 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



# Saturn-pro Series PORTABLE POWERSTATION



Model	S300F 100~120V / 220~240V	XS500F 100~120V / 220~240V	S500-Pro 100~120V / 220~240V	S1000-Pro 100~120V / 220~240V	S2200-Pro & B2200F 100~120V / 220~240V
Capacity	294Wh	448Wh	518Wh	1030Wh	2240Wh*N(N≤3)
Cell Chemistry	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>
Solar Input	120W	120W	200W	800W	1000W
AC Input	/	/	500W	1000W	1500W / 2000W
AC Output	300W	500W	500W	1000W / 1200W	2000W / 2400W
USB-C Output	100W	100W	100W	100W	100W



#### 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.



# S300F / XS500F PORTABLE POWERSTATION

294~448Wh



**294~448 Wh**  
Capacity

**120W Max**  
Solar / DC Input

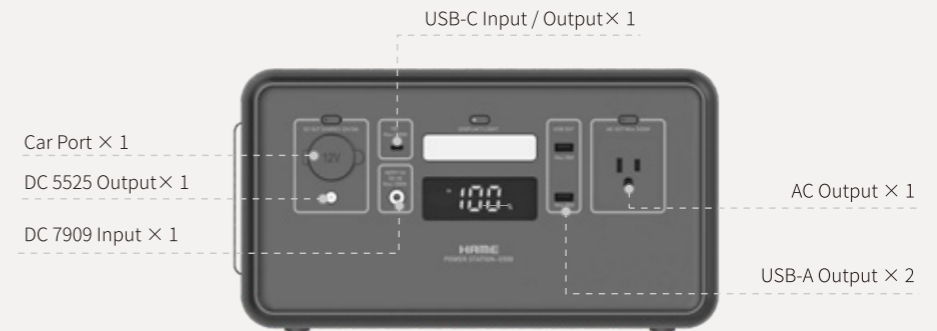
**500W Max**  
AC Output

**100W Max**  
USB-C Input / Output

## SPECIFICATIONS



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



	Model	S300F	XS500F
GENERAL	Capacity	294Wh	448Wh
	Cell Chemistry	LiFePO <sub>4</sub>	
	Single Cell Capacity	23Ah@3.2V/pcs	35Ah@3.2V/pcs
	Lifecycle	4000+ Cycles to 80% Capacity	
	Indicator	APP / LED Screen	
	Floodlight	LED Light	
	Storage Temp.	-4°F~140°F(-20°C~60°C)	
	Operating Temp.	32°F~122°F(0°C~50°C)	
	Material	ABS + PC	
	Weight	4.2±0.5kg	4.6±0.5kg
	Dimensions	340*185*105mm	
	Battery Management	OVP, UVP, OCP, SCP, OTP, UTP, etc.	
	Solar Charge System	MPPT Charge Controller	
INPUT	DC 7909	120W Max (DC / Solar 12V~24V)	
	USB-C	100W Max	
OUTPUT	AC	300W Max (100V~120V@60Hz) / (220V~240V@50Hz)	500W Max (100V~120V@60Hz) / (220V~240V@50Hz)
	USB-C	100W Max	
	USB-A #1	18W Max (5V~12V)	
	USB-A #2	18W Max (5V~12V)	
	DC 5525	120W Max (12V / 10A)	
	Car Port	120W Max (12V / 10A)	

# 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%

# 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

