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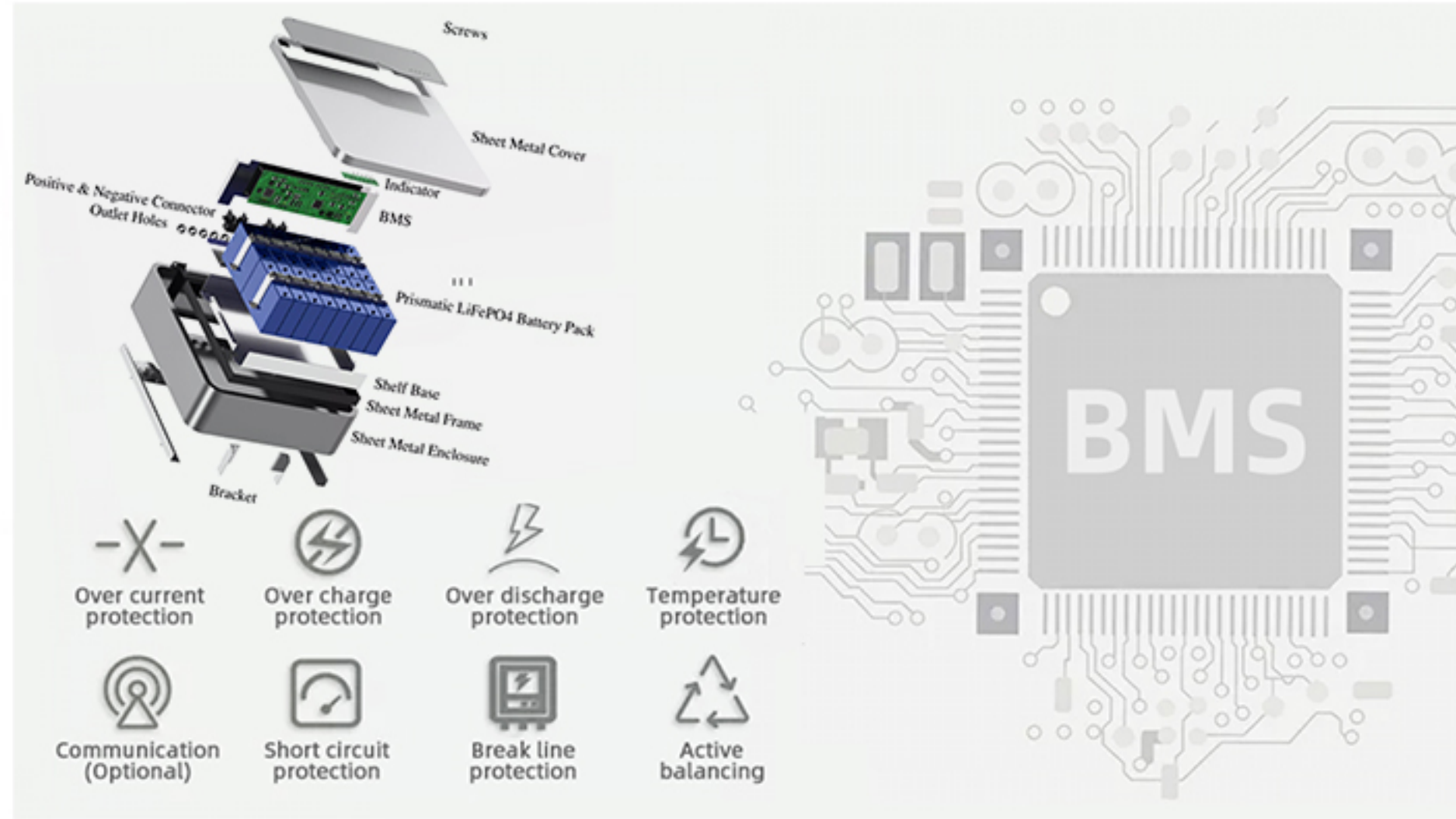
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PRODUCT CATALOG

SHENZHEN SUNWIND ENERGY TECH CO.,LTD

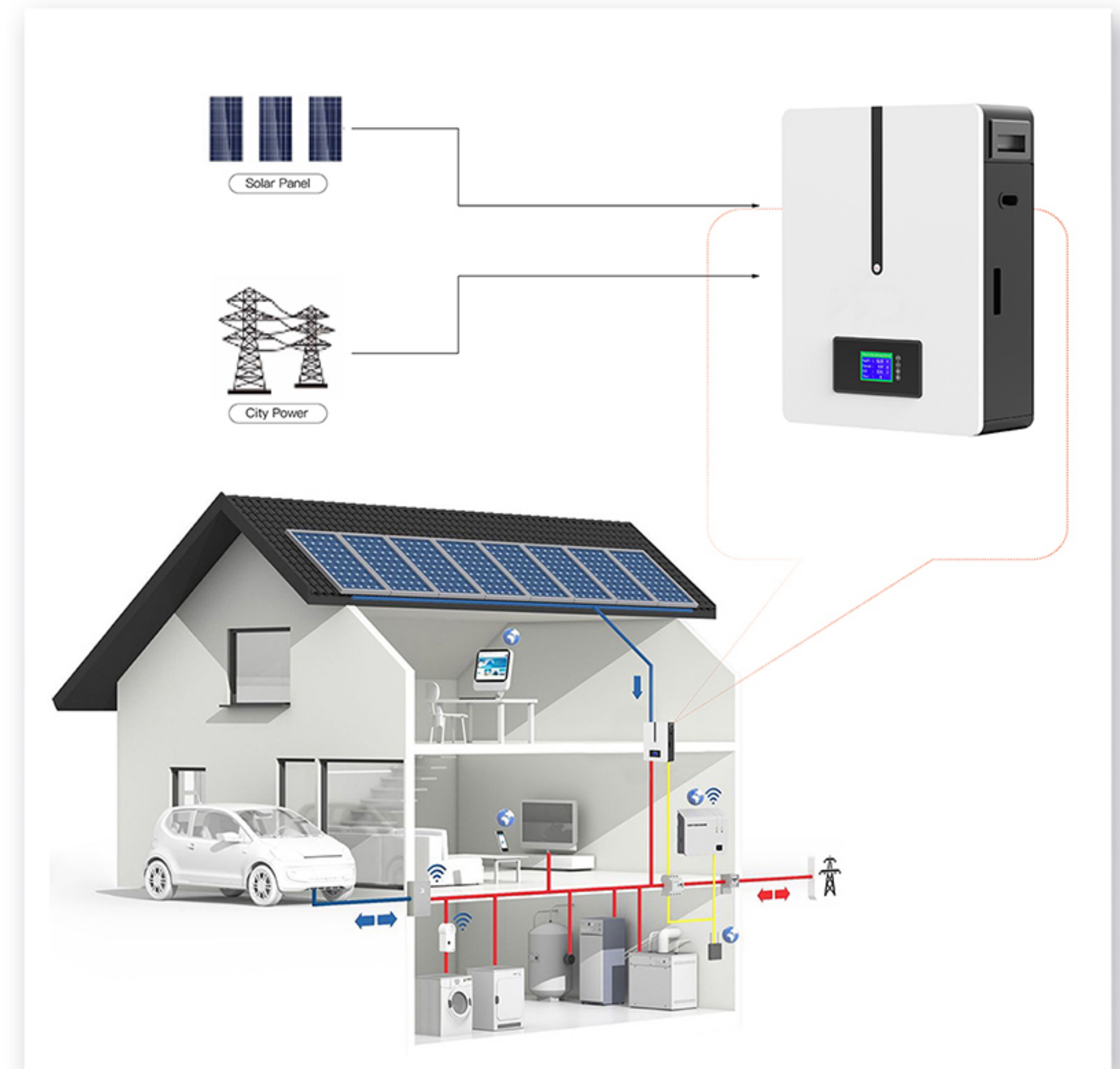


Sunwind is an advanced technology company specialized in the research and production of LiFePO4 batteries, Li-ion batteries, Li-polymer batteries. These products are widely used in the industry of Solar energy, Golf cart, Marine 3C electronics, Medical, etc.

We not only provide high quality product with excellent services, Also, Sunwind is committed to providing environment-friendly, fast and efficient new energy integration solution services.

Main product are **Solar Energy Storage Battery, LiFePO4 Battery, Portable Power Station, Outdoor, Solar Power Bank, Solar Inverter and customized Electronics battery.**

## Over 10 Years Experience



01 / 5KW Off Grid Solar Power Wall

07 / 15KW Off Grid Solar Power Wall

11 / LiFePO4 Solar Wall

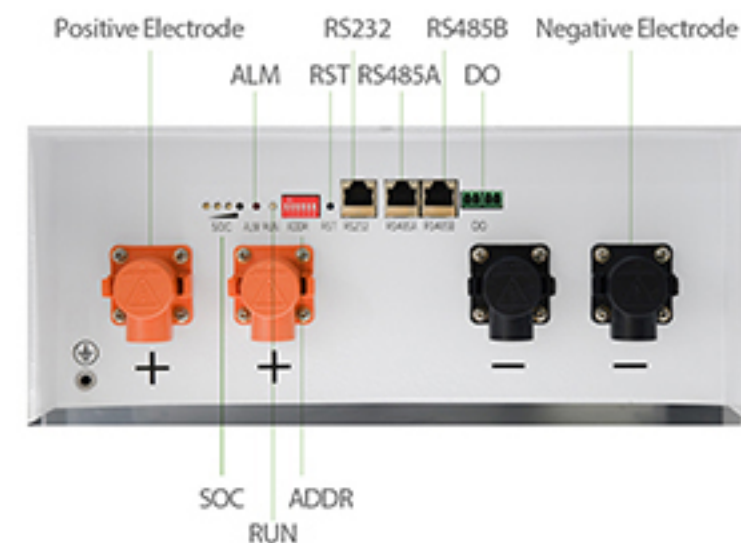
15 / Outdoor Portable Power Station

19 / Solar Power Bank

## Solar Energy Storage Battery Off-Gird 5KW&10KW

### 48V 5KWH 10KWH HOME ENERGY STORAGE BACKUP POWER SYSTEM

- OFFER FACTORY PRICE
- 10 YEARS TECHNICAL SUPPORT
- LONG-TERM BENEFIT
- MULTIPLE CONFIGURATION



### SW-HS-5KW-1

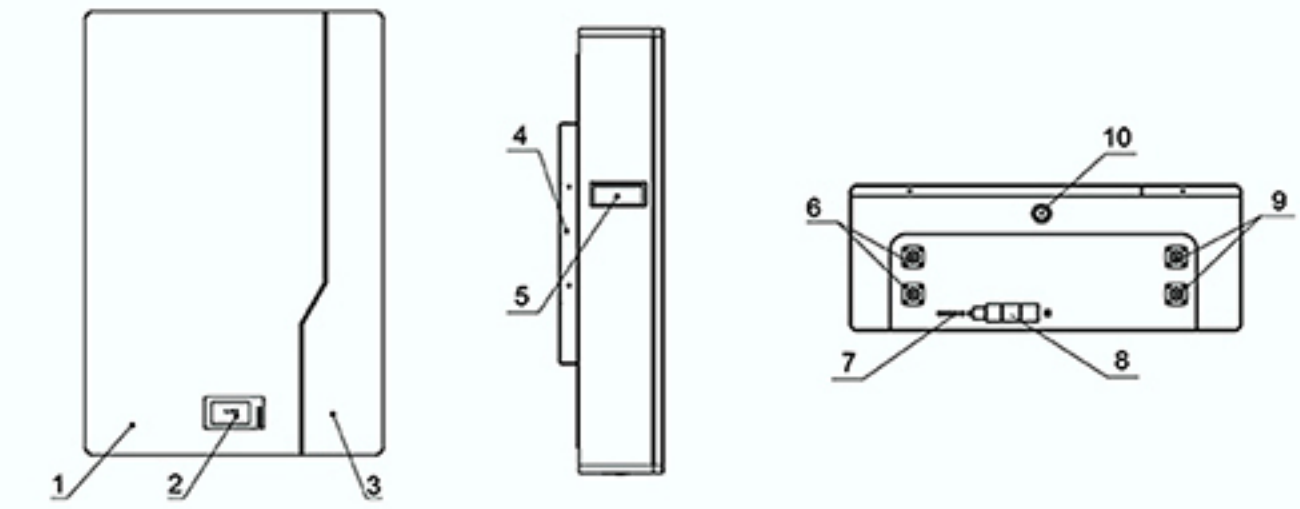
#### Quick Details

Warranty:	5 year, 5 YEARS
Place of Origin:	China
Solar Panel Type:	Polycrystalline Silicon
Controller Type:	MPPT
Load Power (W):	5kW
Output Frequency:	50HZ
Pre-sales project design:	N
Nominal Capacity:	100Ah
Charging Current:	50A
Cycle Life:	6000 Times

Application:	Home
Battery Type:	Lithium Ion
Mounting Type:	Roof Mounting
Output Voltage (V):	220V
Certificate:	RoHS
Product name:	LiFePO4 Phosphate Energy Storage
Nominal Voltage:	51.2Volts
Discharge Current:	100A
Cooling Method:	Self Cooling
Size:	550*550*155mm
Waterproof:	IP54



SW-HS-5KW-2



1	White plate	6	M6 Positive terminal (2pcs)
2	LCD display	7	Battery indicator
3	Black plate	8	RS485 /CAN
4	Wall mounted bracket	9	M6 Negative terminal (2pcs)
5	Handle	10	OFF/ON

### Parameters

	Model	SW-HS-5KW-2	SW-HS-10KW-3
<b>Basic Characteristics</b>	Nominal Voltage	51.2V	51.2V
	Nominal Capacity	100Ah	200Ah
	Efficiency	>96%	>96%
	Inner Resistance	10mΩ	7mΩ
	Cell Type	LiFePO <sub>4</sub>	LiFePO <sub>4</sub>
<b>Charging Characteristics</b>	Charge Voltage	58.4V	58.4V
	Standard Charging Current	20A	40A
	Max.Continuous Charging Current	100A	100A
<b>Discharge Characteristics</b>	Standard Discharge Current	20A	40A
	Continuous Discharge Current	100A	100A
	Peak Discharge Current	200A(3S)	200A(3S)
	Discharge Cut-off Voltage	42V	42V
<b>Environmental Requirements</b>	Charge Temperature Range	0~60°C	0~60°C
	Discharge Temperature Range	-10°C~65°C	-10°C~65°C
	Storage Temperature Range	-5~40°C	-5~40°C
	Storage Humidity	65±20%HR	65±20%HR
<b>Mechanical Characteristics</b>	Size(LxWxH)	440×170×560mm	440×206×670mm
	Package Size (L×W×H)	635×512×252mm	750×520×385mm
	Shell Material	SPCC	SPCC
	Net Weight	44kg	76kg
	Gross Weight	56kg	91kg
	Package Method	1pcs per carton	1pcs per carton
<b>Others Characteristics</b>	Cycle Life	>6000 times	>6000 times
	Self Discharge	2% per month	2% per month
	SOC Indication	LED Light& LCD Screen	LED Light& LCD Screen
	Communication Protocol	RS485/CAN	RS485/CAN
	Matching Inverter	Growatt, Goodwe, Deye, Luxpower, SRNE etc	

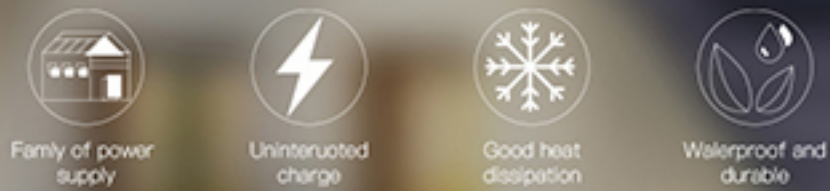
## Solar Energy Storage Battery

### Off-Grid

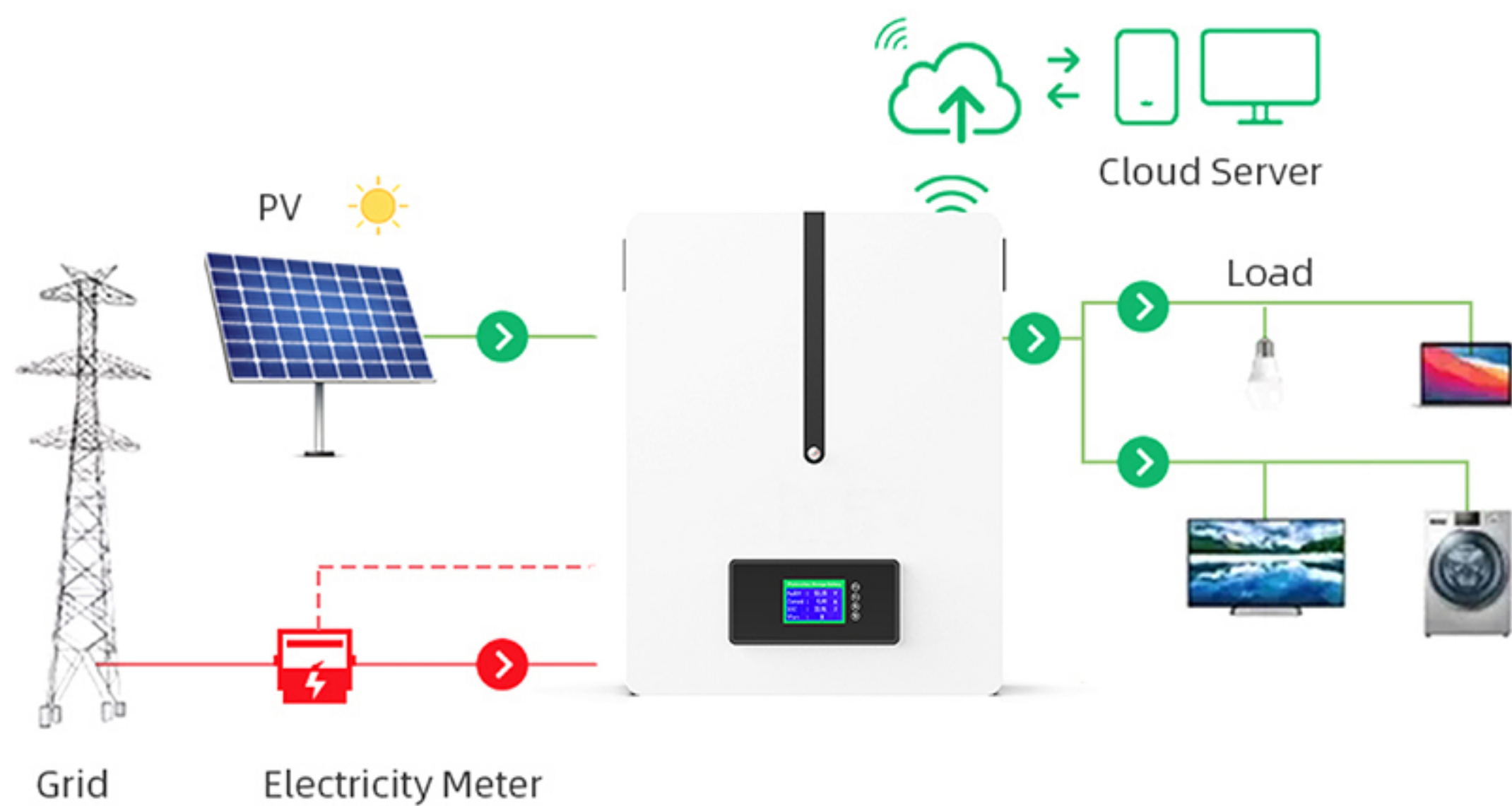
### 5KW&10KW

# Sunwind Powerwall

## Energy Storage Battery



## Solar System Connection



SW-HS-5KW-3



### PRODUCT PARAMETERS

Product Number	SW-HS-5KW-4	Service Life	> 15 years @ 25 °C
Finished Product Specification	16S1P-51.2-100Ah	Cycle Life	≈ 6000 times
Nominal Voltage	51.2V	Relative Temperature	25%-95%RH
Nominal Capacity	100AH	Charging Temperature	0°C~45°C
Discharge Current	100A	Discharge Temperature	-20°C~60°C
Charging Current	50A	Storage Temperature	-10 °C ~ 35 °C, less than 6 months
Cooling Method	Self-Cooling	Battery Appearance Size	435 (L)*160 (W)*588 (H)
Battery Type	Lithium Iron Phosphate	Installation Mode	Wall mounted
Waterproof	IP54	Warranty	5 years



SW-HS-5KW-4



### PRODUCT PARAMETERS

Product Number	SW-HS-5KW-3	Service Life	> 15 years @ 25 °C
Finished Product Specification	16S1P-51.2-100Ah	Cycle Life	≈ 6000 times
Nominal Voltage	51.2V	Relative Temperature	25%-95%RH
Nominal Capacity	100AH	Charging Temperature	0°C~45°C
Discharge Current	100A	Discharge Temperature	-20°C~60°C
Charging Current	50A	Storage Temperature	-10 °C ~ 35 °C, less than 6 months
Cooling Method	Self-Cooling	Battery Appearance Size	435 (L)*160 (W)*588 (H)
Battery Type	Lithium Iron Phosphate	Installation Mode	Wall mounted
Waterproof	IP54	Warranty	5 years

Solar Energy Storage Battery  
Off-Grid  
5KW&10KW



MULTI-SCENE APPLICATION



SW-HS-5KW-5



SW-HS-5KW-6

Parameters

Battery Model	SW-HS-5KW-5	SW-HS-5KW-6
Nominal Voltage	51.2V	51.2V
Nominal Capacity	100Ah	100Ah
Charge Voltage	58.4V	58.4V
Discharge Cut-off Voltage	40V	40V
Suggested Charge Current	50A	50A
Suggested Discharge Current	100A	100A
Maximun Current	125A	125A
Life Cycle	3000times	3000times
Communication Mod	RS485、232、CAN	RS485、232、CAN
Charge Temperature	0~45°C	0~45°C
Discharge Temperature	-20~60°C	-20~60°C
Model of The Interface	2P grid terminal	2P grid terminal
Weight	58Kg±2	90Kg±2
Size	550*630*220	550*750*220

**PERFORMANCE PARAMETERS**

Phase Number	Single-Phase
Output Power	3KW/4KW/5KW Optional
Rated voltage	51.2V
Rated Capacity	300AH
Continuous Discharge Current	100A
Peak Discharge Current	110A/10S
Standard Charging Current	50A
Fast Charge Current	100A
Number Of Expandable Batteries	3~15
Optional Capacity Range	15.36~76.8KWH
Cooling Method	Self-Cooling
Battery Type	Lithium Iron Phosphate
Use Period	>15 Years@25°C
Cycle Life	≈6000 times
Rated Grid Frequency	50HZ/60HZ Auto Detect
Grid Voltage Range	220V(170Vac~280Vac) ±2% 110V(90Vac~280Vac) ±2%
PV maximum Input Power	4200W
MPPT Voltage Range	60-115Vdc
The charging and discharging efficiency of the whole machine	>92%
Battery Voltage Range	40.0Vdc~60Vdc ± 0.6Vdc (under voltage alarm / shutdown voltage / over voltage alarm / over voltage recovery... LCD screen can be set)
Warranty	Battery (5 years)   Inverter (1 years)

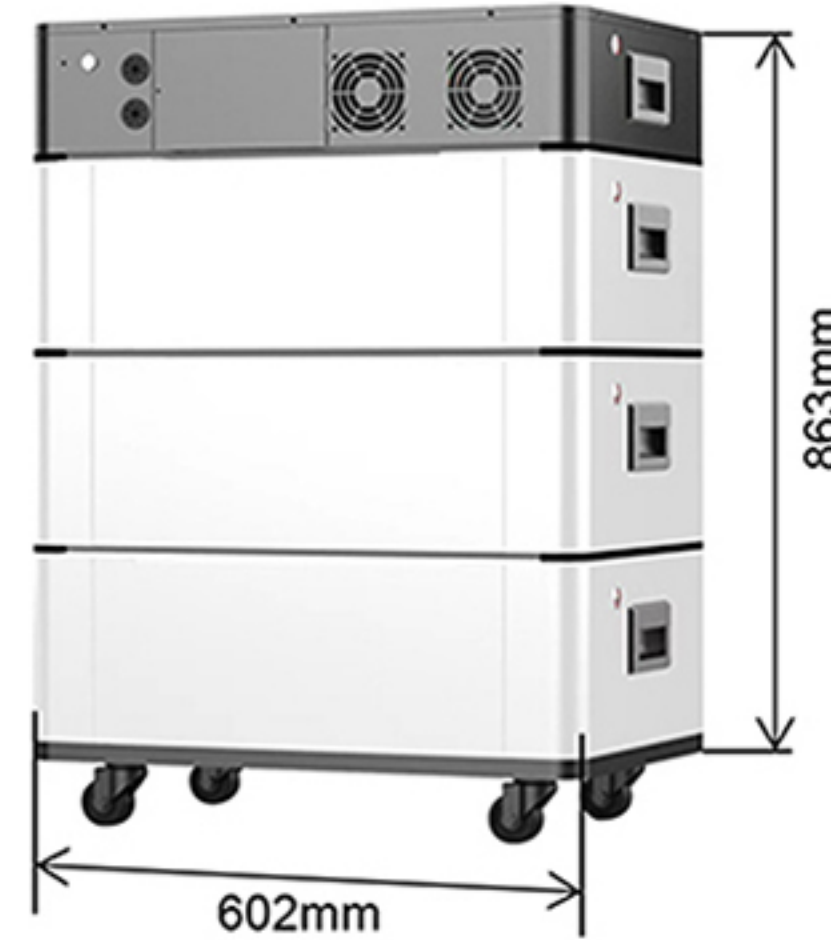
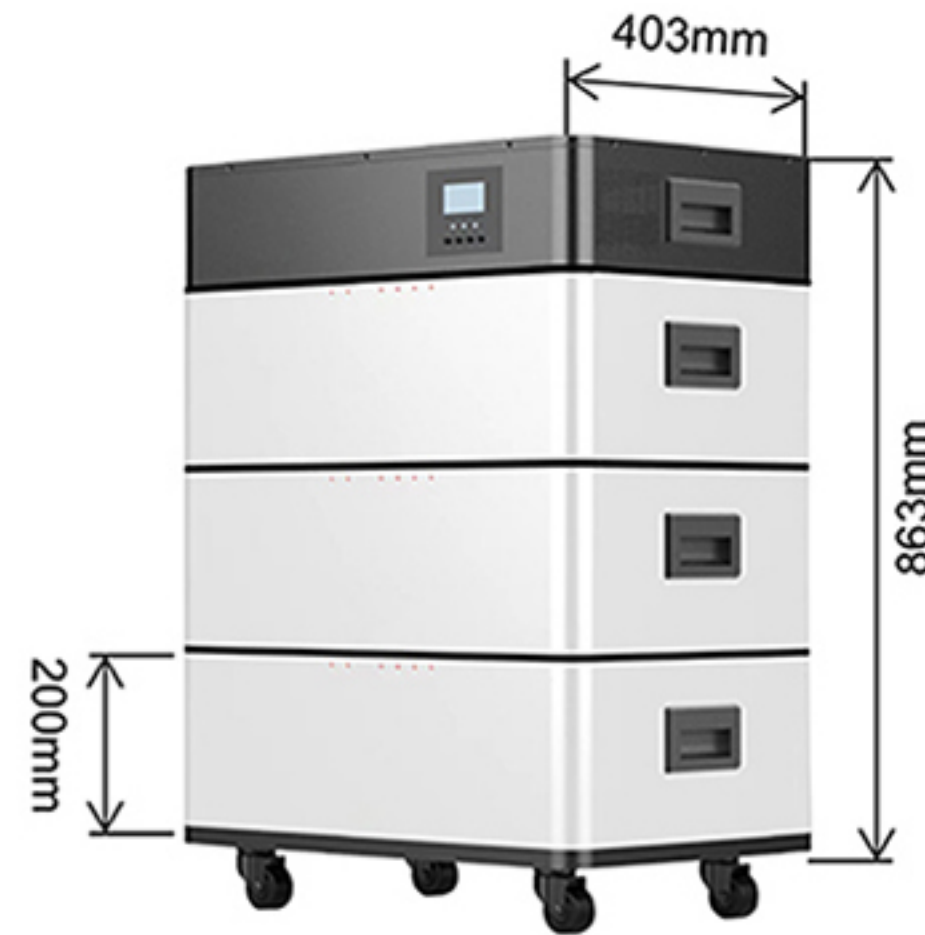
**COMPATIBLE PARAMETERS**

Battery Certification	CE, UN38.3, MSDS, Shipping, Dangerous Package
Cell Certification	CE, UL, IEC 62109-1&-2, IEC 62477, EN61000, UN38.3

**MECHANICAL PARAMETERS**

Inverter Size/Weight	602*403*139mm/25KG
Battery Size/Weight	602*403*200mm/55KG (single layer)
Chassis Size/Weight	602*403*124mm/12KG
Installation Method	Stacked

**SW-HS-15KW-1**



**Environmental parameters**

Storage Humidity Range	≤85%RH
operating Temperature	20°C~55°C
Recommended Operating Temperature	25°C
Waterproof	IP21

**PERFORMANCE PARAMETERS**

Phase Number	Split phase
Output Power	6kw
Rated Voltage	51.2V
Rated Capacity	300AH
Continuous Discharge Current	100A
Peak Discharge Current	110A/10S
Standard Charging Current	50A
Fast Charge Current	100A
Number Of Expandable Batteries	2~15
Optional Capacity Range	15.36~76.8KWH
Cooling Method	Self-Cooling
Battery Type	Lithium Iron Phosphate
Design Life	>15 Years@25°C
Cycle Life	≈6000 times
Rated Grid Frequency	50HZ/60HZ Auto Detect
Grid Voltage Range (dual output)	104V-110V-U5V-120Vac 208V-220V-230V-240Vac (+/-10% RMS)
PV maximum Input Power	5000W
MPPT Voltage Range	60-145Vdc
The charging and discharging efficiency of the whole machine	>98%
Battery Voltage Range	Default @load<20%: 42.0V; @20%<load<50%:40.8V; @load>50%: 38.4V (Based on Program 21, 40Vdc~48Vdcsettable)
Warranty	Battery (5 years)   Inverter (2 years)

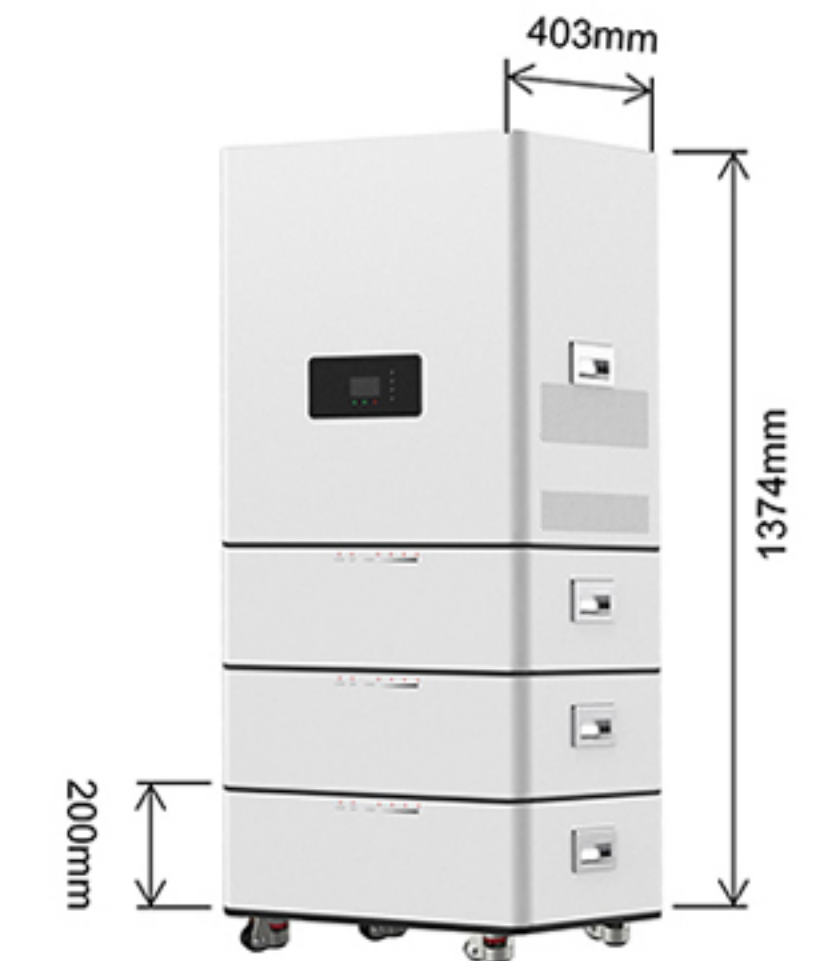
**COMPATIBLE PARAMETERS**

Certified Product	CE, UN38.3, MSDS, Shipping, Dangerous Package
Cell Certification	CE, UL, IEC 62109-1&-2, IEC 62477, EN61000, UN38.3

**MECHANICAL PARAMETERS**

Inverter Size/Weight	602*403*650mm/80KG
Battery Size/Weight	602*403*200mm/55KG (single layer)
Chassis Size/Weight	602*403*124mm/12KG
Installation Method	Stacked

**SW-HS-15KW-2**



**ENVIRONMENTAL PARAMETERS**

Storage Humidity Range	≤85%RH
Operating Temperature	20°C~55°C
Recommended Operating Temperature	25°C
Waterproof	IP21

## Solar Energy Storage Battery Off-Grid 15KW



**Fearless Power Outage**  
Hold on to every critical moment



A villa that generates electricity  
5/10/15/20Kwh system



Enjoy green electricity daily



Reduce the purchase of electricity  
A zero electricity bill is not a dream



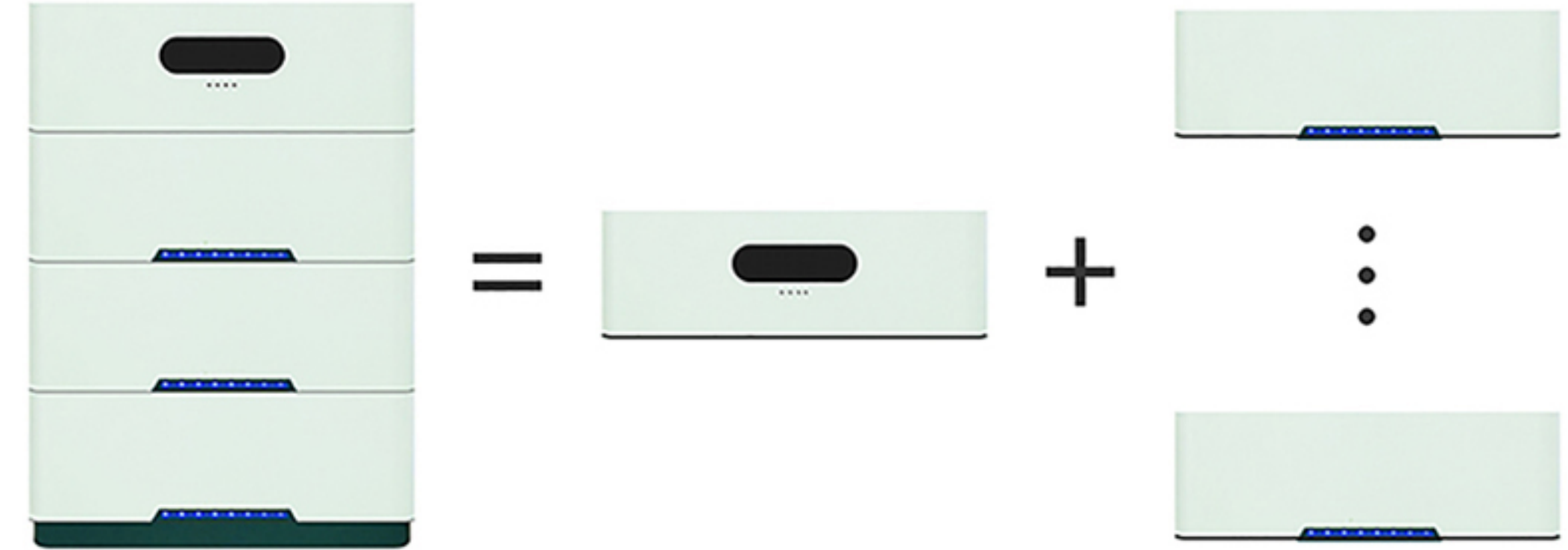
SW-HS-15KW-3



SW-HS-20KW-1

## Combination Of Power Storage Brick

Power Storage Brick =  
Inverter + 10Kwh/20Kwh/30Kwh/40Kwh LiFePO4 Battery

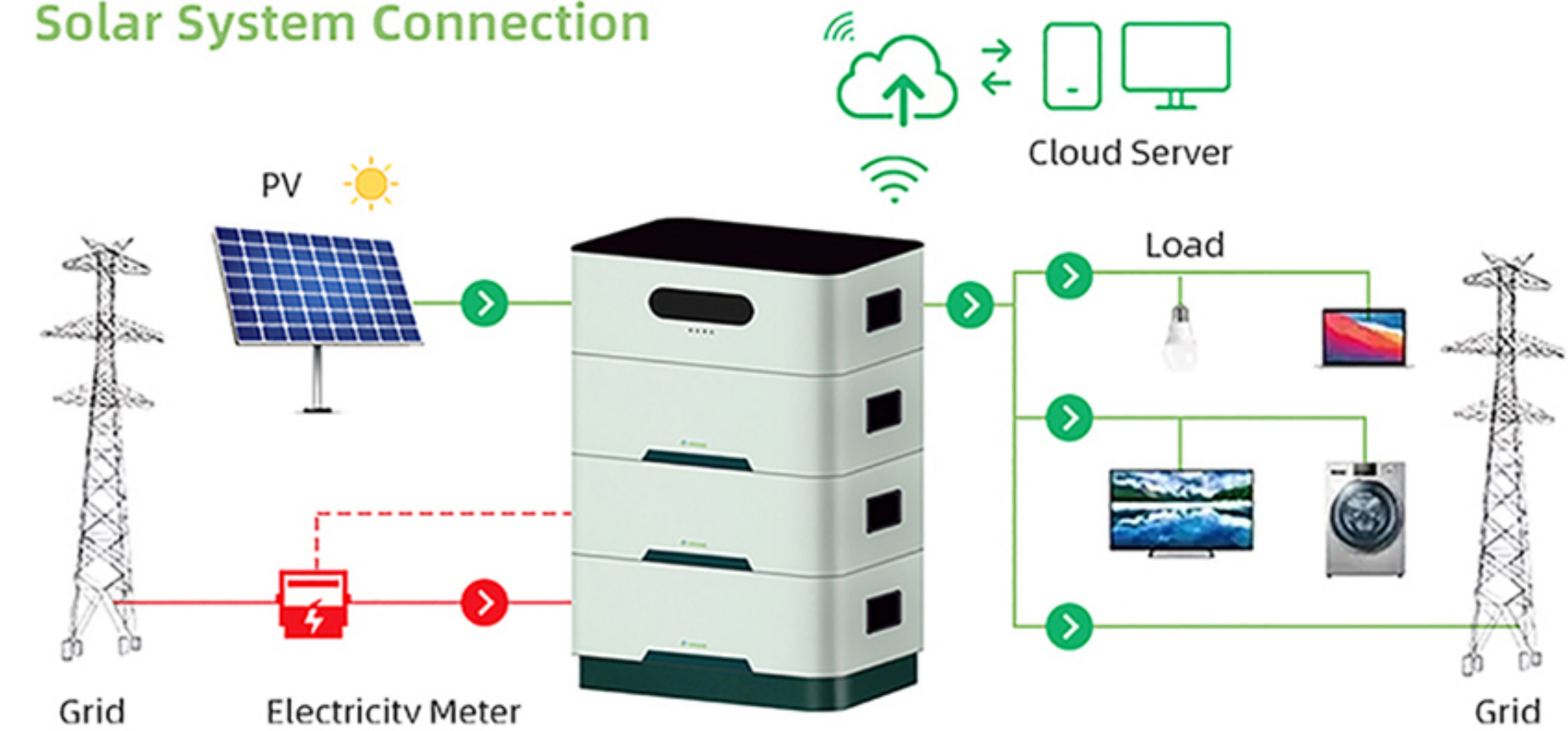


### Quick Details

Special Features: Remote Control, External Battery  
Inverter Type: Modified Sine Wave  
Power Source: Solar Panel  
Product name: LiFePO4 Phosphate Energy Storage  
Nominal Capacity: 100Ah/Single  
Charging Current: 100A  
Waterproof: IP54  
Size: 600\*400\*1000mm

Controller Type: MPPT  
Battery Type: LiFePO4  
Place of Origin: China  
Nominal Voltage: 48Volts  
Discharge Current: 100A  
Cooling Method: Self Cooling  
Warranty: 5 YEARS  
Cycle Life: 6000 Times

## Solar System Connection



# NEW OEM LIFEPO4 BATTERY PACK

High Energy Density Material Brings you a Green and Long Service Life!

Camping

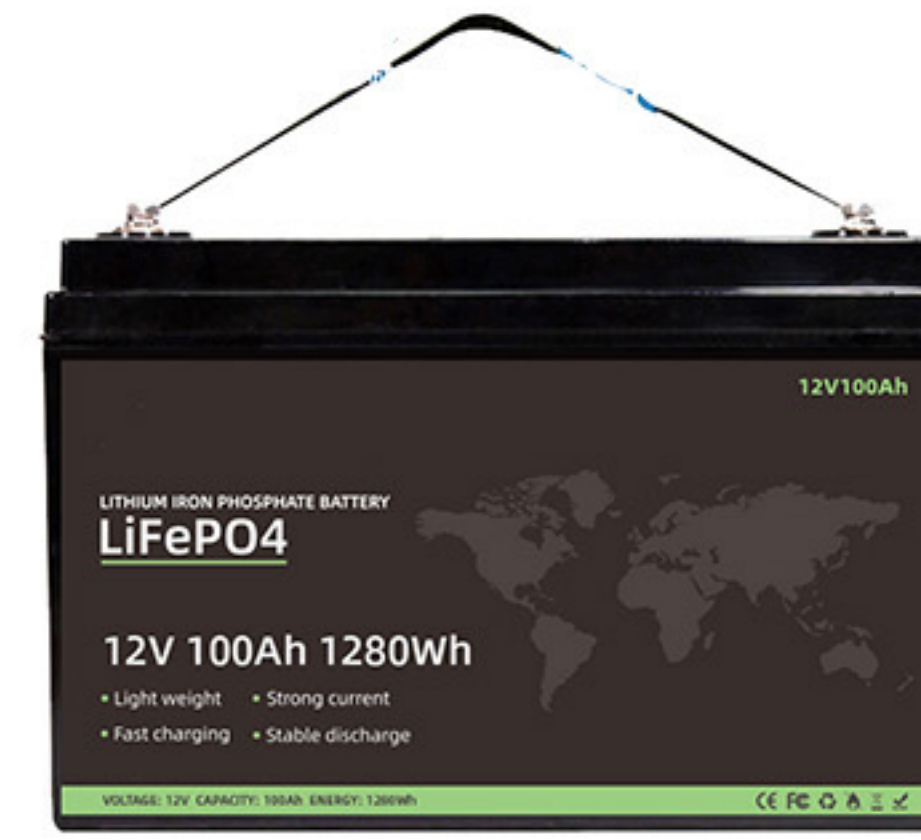
FishFinder

RV

Solar Power

Power wheels

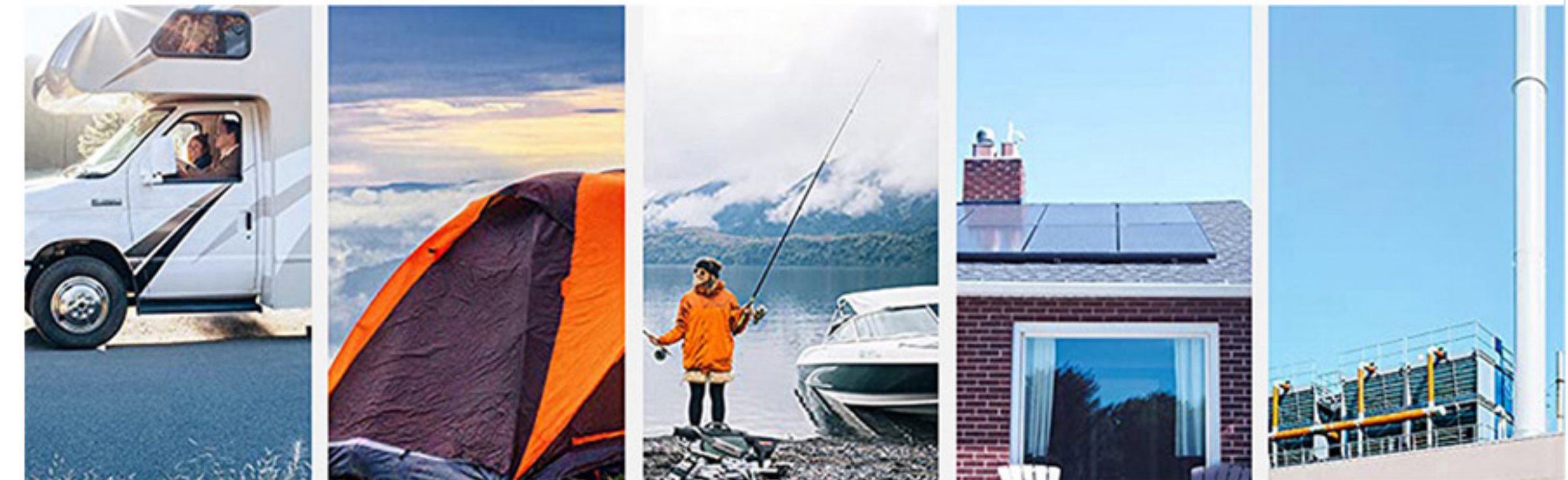
- |           |                |                |            |            |              |
|-----------|----------------|----------------|------------|------------|--------------|
|           |                |                |            |            |              |
| microwave | electric grill | coffer machine | laptop     | lights     | TV           |
| <b>2H</b> | <b>1.6H</b>    | <b>1.2H</b>    | <b>14H</b> | <b>21H</b> | <b>12.8H</b> |



**12.8V 100AH**  
 LITHIUM IRON PHOSPHATE BATTERY



**12.8V 120AH**  
 LITHIUM IRON PHOSPHATE BATTERY



**12.8V 150AH**  
 LITHIUM IRON PHOSPHATE BATTERY



**12.8V 200AH**  
 LITHIUM IRON PHOSPHATE BATTERY



Solar Energy Storage Battery  
**LiFePO4**  
**24V**

**CUSTOMIZED LIFEPO4 BATTERY**  
 High Energy Density Material Brings you a Green and Long Service Life!

YOUR PRODUCT BY YOUR CUSTOMISED



Low-speed EV



Sweeper



Water scooter



Motor home



Base station equipment



Solar energy wind energy storage



**24V 80AH**  
 LITHIUM IRON PHOSPHATE BATTERY



**24V 100AH**  
 LITHIUM IRON PHOSPHATE BATTERY

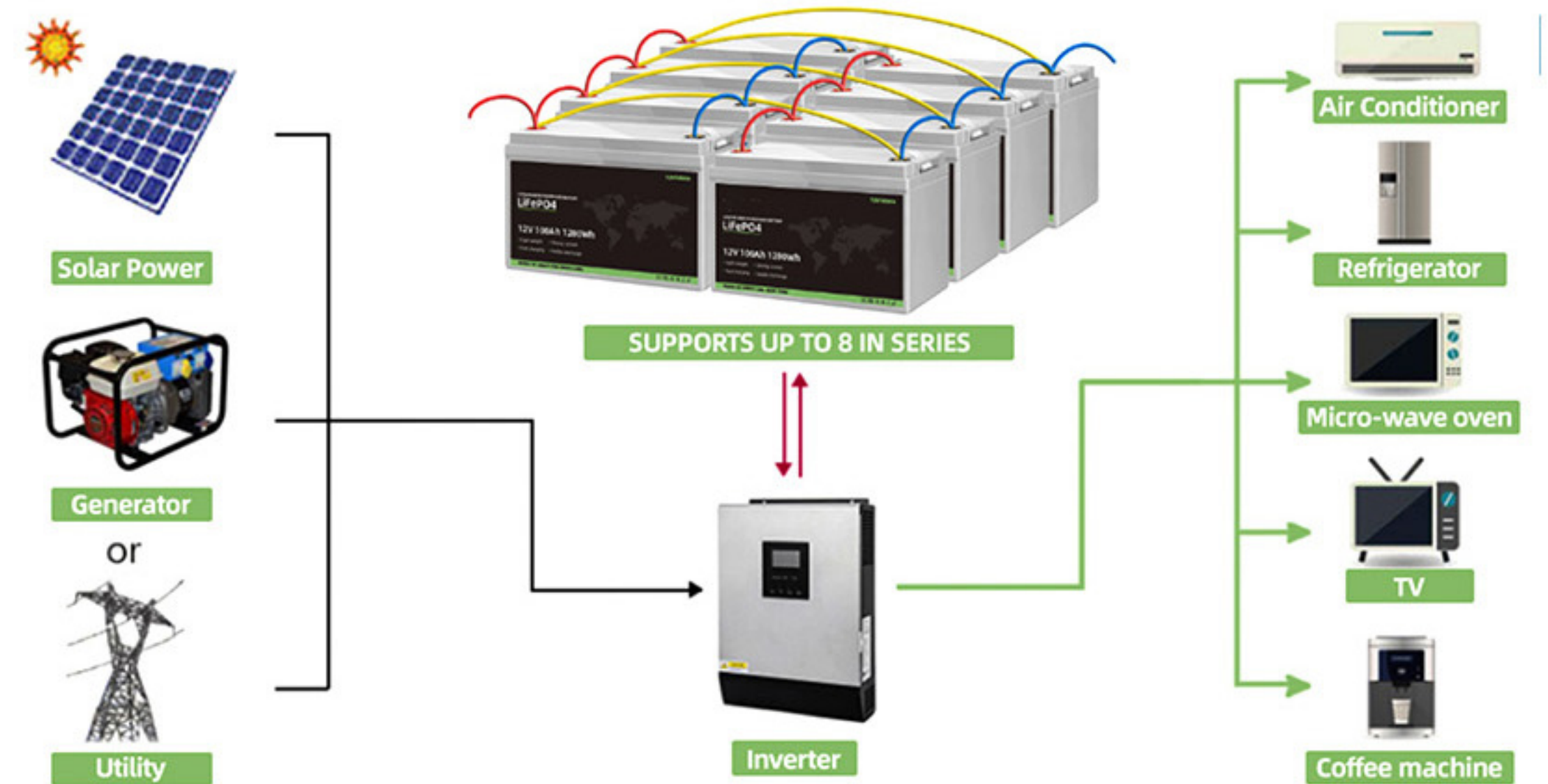


**24V 100AH**  
 LITHIUM IRON PHOSPHATE BATTERY



**24V 100AH**  
 LITHIUM IRON PHOSPHATE BATTERY

CONNECTION OF INVERTER AND BATTERY



**Portable Power Station**  
200W/300W/600W/1000W/1200W



**Outdoor work**  
Portable Power Station

150W / 300W / 200W / 600W / 1200W

**200W**



<b>Battery:</b>	173Wh/48000mAh
<b>Battery type:</b>	Lithium Battery
<b>DC Input:</b>	5~20V/2A
<b>Type-C Input:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>DC1&amp;2 Output:</b>	12~16.8V/10A
<b>Type-C Output:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>AC Output Power:</b>	200W
<b>AC Output Voltage:</b>	110~220V/50~60Hz
<b>QC3.0 Output:</b>	5V/3A, 9V/2A 12V/1.5A (18W)
<b>USB1&amp;2 Output:</b>	5V/2.1A
<b>LED:</b>	4W
<b>Cycle Life:</b>	500 times
<b>Weight:</b>	1.86Kg
<b>Size:</b>	182*102*144mm
<b>Charging Temperature:</b>	0~45°C
<b>Discharge Temperature:</b>	-20~55°C

**300W**



**600W**



<b>Battery Type:</b>	lithium battery
<b>Battery Energy:</b>	288Wh
<b>AC Output power:</b>	300W
<b>AC Output Voltage:</b>	110~220V/50Hz~60Hz
<b>USB1&amp;USB2 Output:</b>	5V/2.1A
<b>QC3.0 Output:</b>	5V/3A, 9V/2A, 12V/1.5A (PD18W)
<b>DC1&amp;2 Output:</b>	12~13V/10A
<b>DC Input:</b>	5~20V/5A
<b>Type-C Input/Output:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>LED Light:</b>	Power 7W
<b>Size:</b>	225*120*215mm

<b>Battery type:</b>	Lithium Battery
<b>DC Input:</b>	5~20V/ 5A
<b>Type-C1 Input:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>DC1&amp;2&amp;3 Output:</b>	12~13V/10A
<b>Type-C1 Output:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>Type-C2 Output:</b>	5V/2.4A, 9V/3A 12V/2.25A (PD27W)
<b>AC Output Power:</b>	600W
<b>AC Output Voltage:</b>	110~220V/50~60Hz
<b>QC3.0 1&amp;2 Output:</b>	5V/3A, 9V/2A 12V/1.5A (18W)
<b>Cigar Lighter Output:</b>	12~13V/10A
<b>LED:</b>	11W
<b>Cycle Life:</b>	500 times
<b>Charging Temperature:</b>	0~45°C
<b>Discharge Temperature:</b>	-20~55°C
<b>Weight:</b>	6Kg
<b>Size:</b>	258*212*249mm

## Portable Power Station

200W/300W/600W/1000W/1200W

Carry Wherever You Want To Go

600W & 1200W Outdoor Power Station



1200W Power Station



1000W Power Station

### 1200W



<b>Battery Capacity:</b>	1080Wh/300000mAh
<b>Battery type:</b>	Lithium Battery
<b>AC Output Power:</b>	1200W
<b>AC Output Voltage:</b>	110~220V/50~60Hz
<b>DC Input:</b>	5~28V/6A
<b>DC1&amp;2&amp;3 Output:</b>	12~13V/10A
<b>Type-C1 Input/Output:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>Type-C2 Output:</b>	5V/2.4A, 9V/3A, 12V/3A 15V/3A, 20V/5A (PD100W)
<b>USB1&amp;2 Output:</b>	5V/2.1A
<b>QC3.0 1&amp;2 Output:</b>	5V/3A, 9V/2A, 12V/1.5A
<b>Wireless Output:</b>	15W
<b>Solar Input:</b>	18V/6A
<b>Cigar Lighter1&amp;2 Output:</b>	12~13V/10A
<b>Cycle Life:</b>	500 tims
<b>Charging Temperature:</b>	0~45°C
<b>Discharge Temperature:</b>	-10~45°C

### 1000W



Model	600W	1000W
<b>Cell Type</b>	LiFePO4	
<b>Capacity</b>	672 Wh	1008 Wh
<b>Life Cycles</b>	2000 (@25°C, 1C discharge)	
<b>Output</b>	AC (x2): 600W total (Surge 1200W), AC 110V/120V @ 60Hz or 230V @ 50Hz	AC (x2): 1000W total (Surge 2000W), AC 110V/120V @ 60Hz or 230V @ 50Hz
	Carport (x1): DC 13.5V, 10A ; DC port (x2): DC 13.5V, 10A;	} Total 120W
	USB-A (x1): DC 5V, 2.5A; 12.5W	
	USB-TypeC (x2): DC 5V/9V/12V/20V, 5A; 100W Each	
	QC 3.0 (x2): DC 5V/9V/12V, 2.4A; 28W Each	
	Wireless Charger: 10W	
<b>Input</b>	AC Charge: 600W Maxi Super Charge	800W Maxi Super Charge
	DC Adaptor Charge: 120W, 12V, 10A(Max)	
	Solar Charge: Max 200W, 10A ,VOC 30V	
<b>Dimensions (W*H*D)</b>	340*272*198mm	
<b>Weight</b>	8.8 Kg	10.8 Kg
<b>Operation temperature</b>	Upload 0~45°C (Charging), -20~60°C (Discharging)	
<b>Operation relative Humidity</b>	RH 0%-85%, Non condensation	

Outdoor Solar Power Bank  
10000mAh/20000mAh

Outdoor Solar Power Bank

Minimum 25,000LUX sunlight intensity for 180ma charging current

- Hanger
- LED Flashlight
- Solar Panel
- Wireless Charging



SW-PB-1W-1



ORANGE



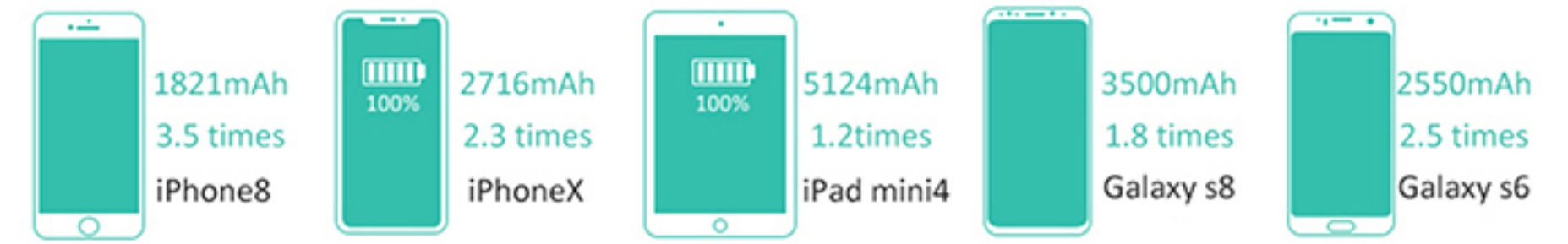
RED



BLUE



BLACK





## Outdoor Solar Power Bank 10000mAh/20000mAh

20000mAh  
Solar Power Bank



SW-PB-2W-1



ORANGE



GREEN



RED



BLACK

## PRODUCT DETAILS





## Outdoor Solar Power Bank 36000mAh



### SW-PB-3W-1

- Micro USB Input: DC5V/2.1A
- TYPE-C Input: DC5V/2.4A
- USB Input: DC5V/2.4A
- MICRO Output: DC5V/3A
- Lightning Output: DC5V/1A
- TYPE-C Output : DC5V/3A
- USB Output: DC5V/3A (MAX)
- Wireless Charger: DC5V/1A

