



Shenzhen SI-SWAY New Energy Co., Ltd

SI-SWAY New Energy CO., LTD. is committed to continuous product improvement. The information in this catalogue is provided for reference only and may be subject to change without prior notice. We reserve the right to make revisions and product alterations and improvements at any time.

Version: August 15, 2024, LiFePO4 Batteries for Energy Storage Solution

Tel: +86 0755-8527 4971

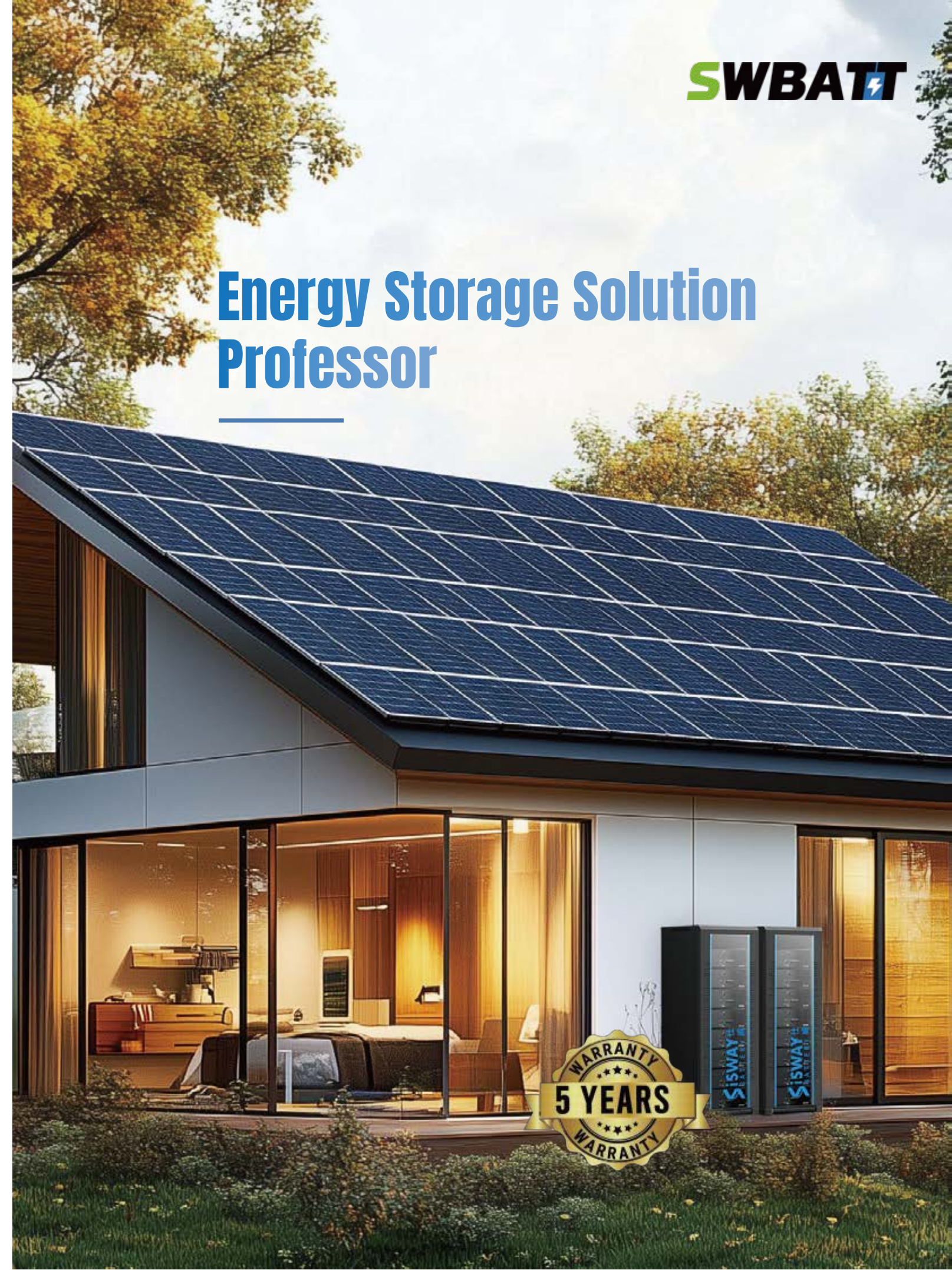
Email: info@i-swaybattery.com

Web: <https://www.i-swaybattery.com>

Add: 3F, Building B, Xinxinan Hi-Tech Park, No.11, Tianyang 5th Road, Songgang Street, Bao'an District, Shenzhen City, Guangdong Province, China.



Energy Storage Solution Professor





Contents

01 / Why Choose SI-SWAY LifePO4 Battery

02 / Advantages

03 / SI-SWAY Energy Storage Series

04 / About SI-SWAY

Why Choose SI-SWAY LifePO4 Battery

Retrofit Your Fleet to Lithium-ion Batteries.



5 Year Warranty

Maintenance free with 5 years warranty.



Steady Output

Grade A cell materials supply sufficient power over 20% than lead-acid



Anti-explosion

The built-in hot-aerosol fire extinguisher is an efficient and eco-friendly solution that can quickly help with firefighting and reduce fire hazards, providing peace of mind.



Built-in Battery Management System (BMS)

Automatic control the current overcharge and discharge, ensure longer battery life



4G Module

Battery visualization. Monitoring battery operation status, remaining power and cell condition.



4000 + Cycle Life

Can be charged and discharged 4000 times, service life over 10 years.



SoC Meter

The battery's state of charge, status and malfunctioning information will be displayed in real time.



Diverse choices

5kwh/10kwh/15kwh/20kwh/30kwh, professional R&D team to match your customization needs.



Integrated Home Energy Storage System Features

Off-grid power supply

The system can be connected to a diesel generator to ensure safe operation in areas without city power (such as islands and Remote mountainous areas) un-interrupted power supply.



Premium battery quality

UHigh capacity, long cycle life and stable performance



Backup power

When the grid loses power, it can seamlessly switch to Dawnice as a backup power source to protect your home from power outages



Wall Mounted LifePO4 Battery



Stackable Type Battery Pack



48V Lithium ion Batteries Pack

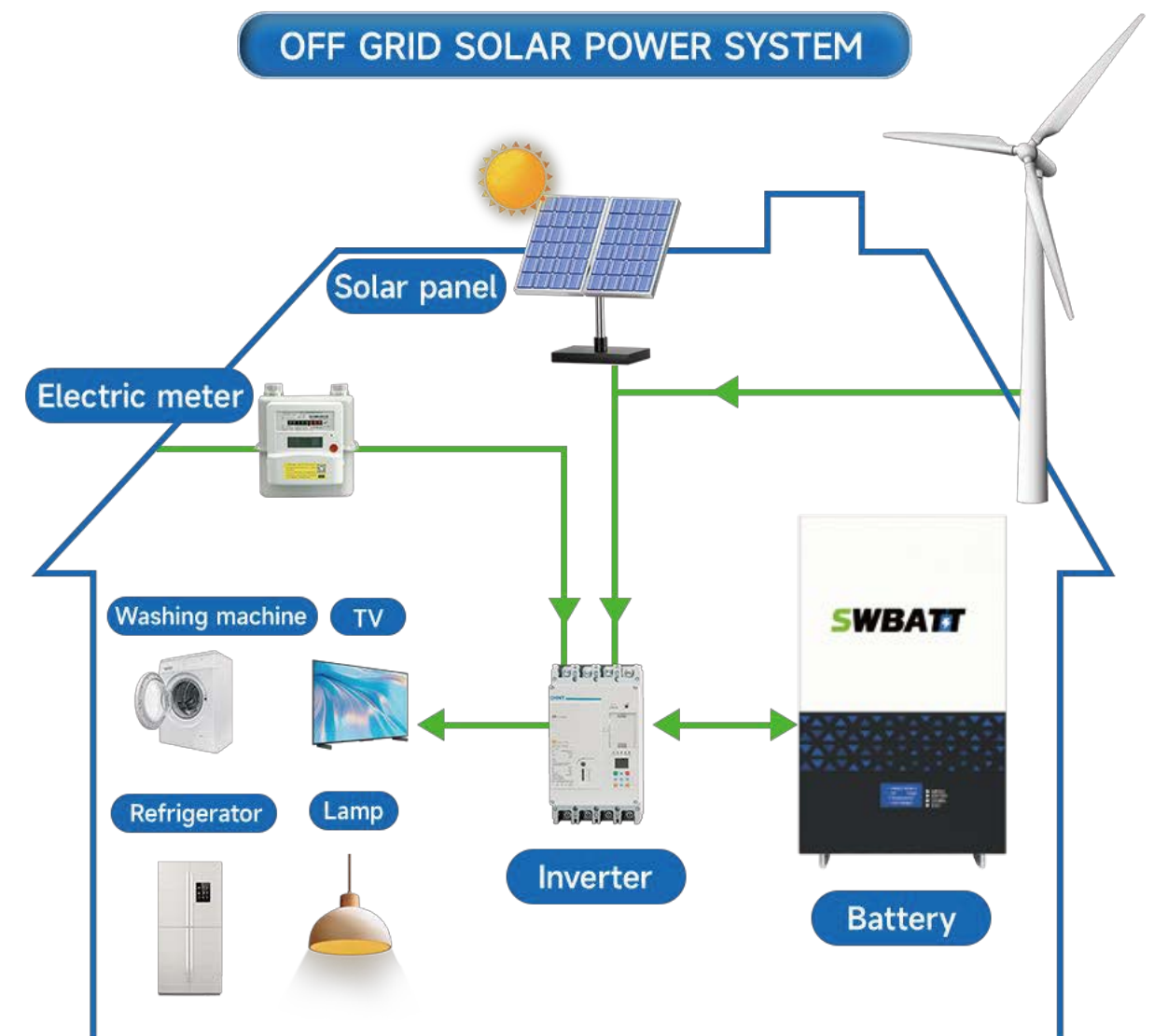


Cabinet Energy Storage System



Solar Energy System Application

Support a variety of communication protocols support
RS485 RS232 CAN etc.



Wall Mounted LifePO4 Battery

Wall-mounted , convenient and easy installations.



Speci cations

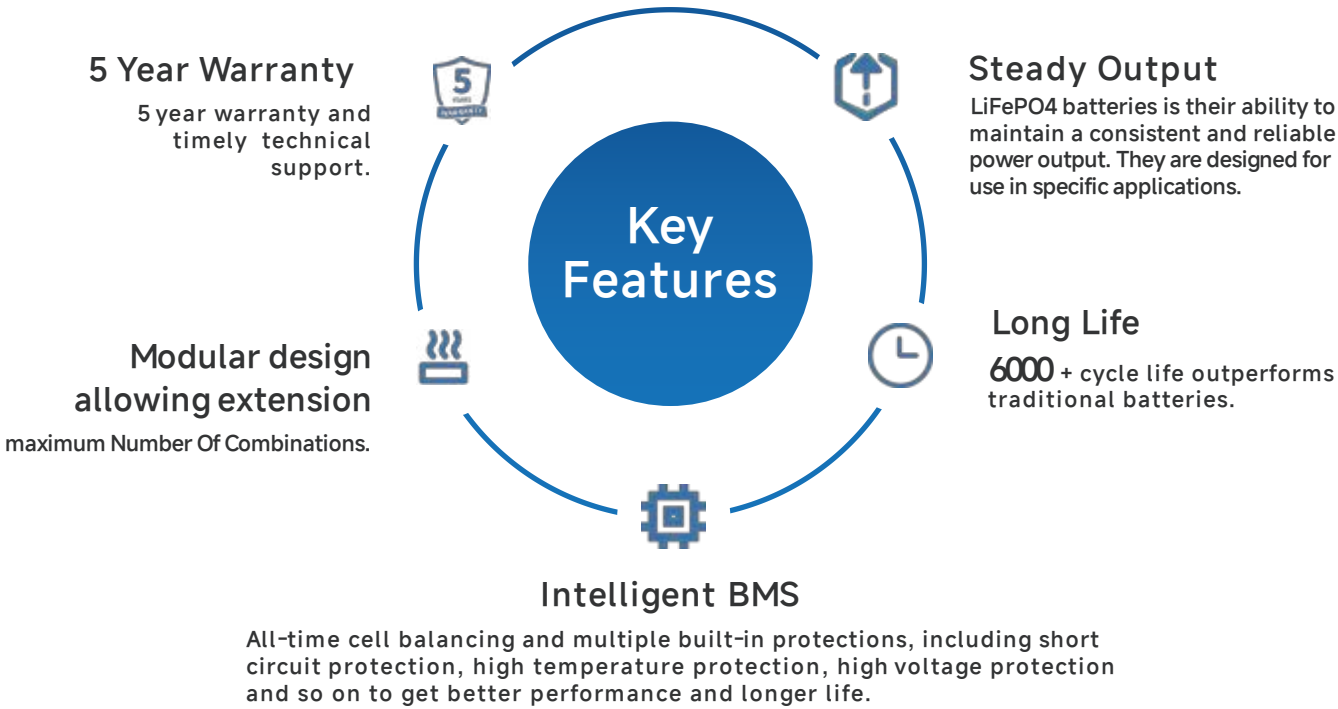
Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life	Dimensions (L × W × H)	Weight lbs. (kg)	Continuous Discharge Current	Peak Discharge Current	Casing Material
SWB48100	51.2 V	100 Ah	5.12kwh	6000 times	380x202x648(mm)	50kg	100A	200A (10 S)	Steel

Working Temperature Range	Charge -4°F~131°F (-20°C ~ 55°C)	Discharge -4°F~131°F (-20°C ~ 55°C)	Storage (1 month) -4°F~131°F (-20°C ~ 55°C)	Storage (1 year) 32°F~95°F (0°C~35°C)
----------------------------------	---	--	--	--

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
3. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.

Stackable Type Battery Pack

Great Battery for full time off-grid living, Your best helper in case of power outage or any unexpected situation



Speci cations



Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life	Dimensions (L × W × H)	Weight lbs. (kg)	Continuous Discharge Current	Peak Discharge Current	Casing Material
SWW48100	51.2 V	100 Ah	5.12kwh	6000 times	550× 550× 210(mm)	50kg	100A	200A (10 S)	Steel SWBATT
SWW48400		400 Ah	20.48kwh		550× 550× 840(mm)	200kg	400A	600A (10 S)	

Working Temperature Range	Charge -4°F~131°F (-20°C ~ 55°C)	Discharge -4°F~131°F (-20°C ~ 55°C)	Storage (1 month) -4°F~131°F (-20°C ~ 55°C)	Storage (1 year) 32°F~95°F (0°C~35°C)
----------------------------------	---	--	--	--

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
3. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.

48V Lithium Ion Batteries Pack

Home Energy Storage System SW48 is an excellent energy source for 48V applications. It is especially designed for Home due to its extraordinary feature: better charging and discharging performance, longer lifespan, smaller size, and theft-proof design. The energy storage system provides a perfect replacement for Lead Acid Battery.



Heating Functions

Operating temperature ranges from -20°C to 60°C in cold area with temperature less than 0°C, the battery supports low temperature heating



Safe

Safe lithium ion phosphate battery cell.
Compact size ultralight module.



Expandability

A maximum of 32 batteries can be parallel-connected.



Intelligent Management

SI-SWAY is equipped with intelligent BMS for each battery pack to manage modules effectively..



Performance

State-of-the-art LFP cell and reliable BMS design.



Compact Design

27 inch rack, height volume energy density((VED)>130 Wh/L.

Specifications



Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life	Dimensions (L × W × H)	Weight lbs. (kg)	Continuous Discharge Current	Peak Discharge Current	Casing Material
SWG48100	51.2 V	200 Ah	10.24kwh	6000 times	500x320x780(mm)	110kg	200A	400A (10 S)	Steel

Working Temperature Range	Charge -4°F~131°F (-20°C ~ 55°C)	Discharge -4°F~131°F (-20°C ~ 55°C)	Storage (1 month) -4°F~131°F (-20°C ~ 55°C)	Storage (1 year) 32°F~95°F (0°C~35°C)
----------------------------------	---	--	--	--

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
3. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.



Cabinet Energy Storage System



Maximum 32 Parallel Connections



>6000cycles Reliable Performance



Supports Multiple Inverter Brands



PC Software Monitor by RS485



Smart BMS Communication Protocol



5-10 Years Technical support

Speci cations



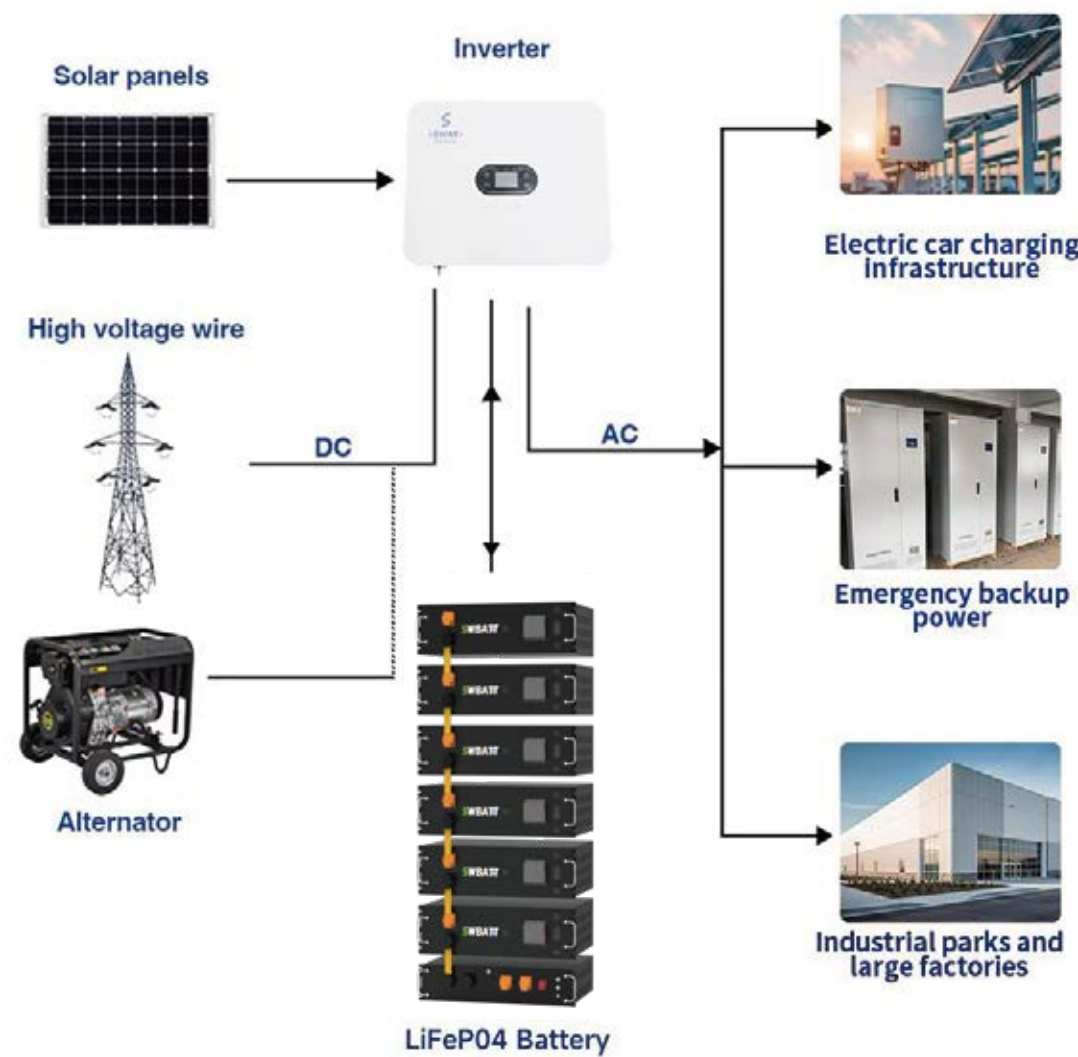
Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life	Dimensions (L × W × H)	Weight lbs. (kg)	Continuous Discharge Current	Peak Discharge Current	Casing Material
SWC48100	51.2 V	100 Ah	5.12kwh	6000 times	510x470x155(mm)	45kg	100A	200A (10 S)	Steel
SWC48400		400 Ah	20.48kwh		cabinetry 600x600x1606mm)	250kg	400A	600A (10 S)	

Working Temperature Range	Charge -4°F~131°F (-20°C ~ 55°C)	Discharge -4°F~131°F (-20°C ~ 55°C)	Storage (1 month) -4°F~131°F (-20°C ~ 55°C)	Storage (1 year) 32°F~95°F (0°C~35°C)
----------------------------------	---	--	--	--

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
3. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.

Industrial Energy Storage Systems

To build a world-renowned lithium-ion battery brand and provide superior solutions to meet your needs.



Real-Time Monitor

- 100% Full Capacity
- Monitor the voltage and current of the BMS, and clearly see the battery cycle times.
- Carefully selected battery cells the smaller the voltage difference between the individual cells the higher the utilization rate of the battery, the longer life



Can Be Used With Hybrid Inverter

Support a variety of communication protocols support RS485 RS232 CAN etc.

We guide the connection of inverters online:



Lithium Ion Battery For Industrial Battery Pack



- Maximum 32 Parallel Connections
- >6000cycles Reliable Performance
- Supports Multiple Inverter Brands
- PC Software Monitor by RS485
- Smart BMS Communication Protocol
- 5-10 Years Technical support

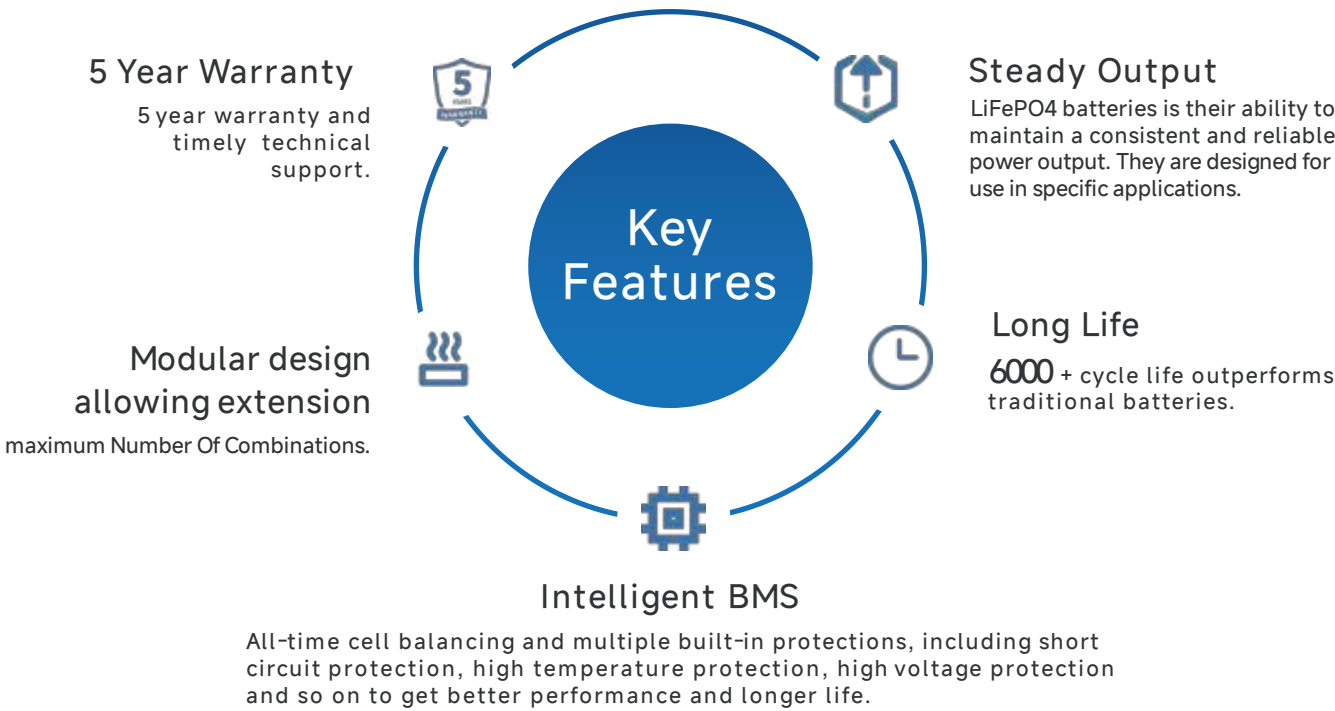
Speci cations

Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life	Dimensions (L × W × H)	Weight lbs. (kg)	Continuous Discharge Current	Peak Discharge Current	Casing Material
SW134690	134.4V	690 Ah	92.736kwh	6000 times	726x500x2243(mm)	850kg	500A	600A(10S)	Steel
Working Temperature Range		Charge -4°F~131°F (-20°C ~ 55°C)		Discharge -4°F~131°F (-20°C ~ 55°C)		Storage (1 month) -4°F~131°F (-20°C ~ 55°C)		Storage (1 year) 32°F~95°F (0°C~35°C)	

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
3.We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.



12/24V LiFePO4 Batteries



Speci cations



Model	Nominal Voltage	Nominal Capacity	Nominal Energy	Cycle Life	Dimensions (L × W × H)	Weight lbs. (kg)	Maximum charge current	Maximum discharge current	Casing Material	IP Rating
SW128-50	12.8 V	50 Ah	0.64kwh	6000 times	229x138x211 (mm)	6.8kg	25A	50A	ABS	IP67
SW128-100		100 Ah	1.28kwh		328x172x217 (mm)	13kg	50A	100A		
SW128-150		150 Ah	1.92kwh		483x170x240 (mm)	18kg	75A	150A		
SW128-200		200 Ah	2.56kwh		522x240x218 (mm)	25.6kg	100A	200A		
SW128-300		300 Ah	3.84kwh		522x238x218 (mm)	31 kg	150A	300A		
SW256-100	25.6v	100 Ah	2.688kwh		345x190x245 (mm)	20kg	50A	100A		
SW256-200		200 Ah	5.376kwh		520x269x220 (mm)	38kg	100A	200A		
SW256-300		300 Ah	7.68kwh		520x360x200 (mm)	50kg	200A	300A		

Working Temperature Range

Charge-4°F~131°F (-20°C ~ 55°C)

Discharge-4°F~131°F (-20°C ~ 55°C)

Storage (1 month)-4°F~131°F (-20°C ~ 55°C)

Storage (1 year)32°F~95°F (0°C~35°C)

Note: 1. All pictures shown are for reference only and data are based on SI-SWAY standard test procedures.
2. Actual performance may vary according to local conditions. Only authorized personnel are allowed to operate or make adjustments to the batteries.
3. We reserve the right to make revisions as well as product alterations and improvements at any time without prior notice.

Power Solutions For Various Applications

Whether it's for home energy storage or for outdoor/RV power, our SI-SWAY lithium batteries are the ideal solution for your power needs.



SI-SWAY New Energy is dedicated to the R&D, manufacturing and sales of motive power systems and energy storage systems as one-stop solutions.

SI-SWAY offers a comprehensive range of lithium-ion batteries, with over 15 years of experience in manufacturing renewable energy and battery systems. Our products are suitable for a wide variety of applications, including low-speed vehicles, industrial batteries for material handling equipment, and renewable energy storage systems for residential, commercial, industrial, vehicle-mounted, and marine use. The factory has successfully attained ISO certification for its quality management system, and the company's products have also obtained CE, UL, UN38.3, and MSDS certification in Europe and the United States.

As a leading manufacturer of power lithium batteries, we are committed to creating greater value for our domestic and international customers through the provision of high-quality products and services, and to making a significant contribution to the global renewable energy sector.

SWBATT It's the new logo,
SiSWAY BATTERY It's an old logo,



R&D and Manufacturing Highlights

As a result of these investments, SI-SWAY is capable of end-to-end integrated delivery making our products out-perform the industry norms.

- All-round testing.
- Integrated design.
- Fast response to customer.
- CE,UL,UN38.3,MSDS.
- QC system.
- Persistent technology innovation.
- Fully automatic production line.
- ISO9001 Factory Quality Management.

Global Sales and Service Network System

- Timely Delivery.
- Hassle-free After-sales Service.
- Fast Response Technical Support.

SI-SWAY has comprehensively unfolded its overseas market layout to ensure the localization of R&D, manufacturing, marketing and service, becoming one of your most reliable and valuable partners.



Upgrading to New Technology, With Our Turnkey Solutions.

With years of dedication to new energy solutions, we are proud to offer customers professional solutions for:

Low-speed Vehicle Batteries including golf carts and sightseeing cars;

Vehicle-Mounted Energy Storage Systems & Batteries including RV and truck energy storage and air conditioning systems, off-grid solar systems for RV, as well as power batteries for electric motorcycles;

Residential Energy Storage Systems & Portable Power Units including home storage and portable energy storage products, as well as off-grid energy storage (for forest cabin, island homes without electricity, etc.);

Industrial Batteries including forklifts, aerial work platforms and floor cleaning machines;

Marine Energy Storage Systems & Batteries including trolling motors, fish finders, other off-grid energy storage systems for marine, and marine power systems;

Commercial & Industrial Energy Storage Systems including diesel generator power micro-grid energy storage systems (for tower cranes, air compressors, mixers, crushers, etc);

Chargers for forklifts, aerial work platforms, floor cleaning machines, golf carts and various marine batteries.



