BATTSYS

Residential Energy Storage System

Power Your Home, Empower Your Life.



ABOUT BATTSYS

Guangzhou Battsys Co.,Ltd. specializes in customized and diversified R&D and production of lithium-ion batteries. And is committed to providing safe, stable, and efficient energy solutions for global customers.

BATTSYS offers a wide range of energy storage products, including commercial and industrial ESS, residential ESS, Lead-acid to lithium battery, solar street light batteries, and LEV batteries. The company has established manufacturing bases and offices in the United States, Australia, Hong Kong, and Africa, enabling rapid response to customer needs and delivering efficient, professional services worldwide.





Office



Cell Production



PACK Production

2006

Year Since

40000㎡

Production Base

80 millions

Annual Capacity

15%+

R&D Input

53+

Exclusive Patents

80%

Export Rate

GLOBAL LAYOUT



LA, USA Office

Lithium and Lead-acid Battery

Nigeria, Africa Office

Lithium and Lead-acid Battery

China Factory

Battsys: Lithium Battery
Fullriver: Lead-acid Battery

Australia Factory

Battery Energy: Energy Storage System,
Lithium and Lead-acid Battery

PRODUCT CERTIFICATIONS

IEC UL CE CB ROHS REACH UN38.3

Wall-Mounted Battery

RES-W Series



RES-W Series is an ultra-slim wall-mounted battery that can be directly installed on the wall with a simple and quick installation process. Its compact and elegant design allows it to easily fit into any limited space in the home.

Unique Design

New wall mount design

Long Life

6000+cycle life (@80% DOD)

High Compatibility

Compatible with multiple inverters

Model	51.2V100AH	51.2V200AH	51.2V300AH
Nominal Voltage	51.2V		
Capacity	100Ah	200Ah	300Ah
Energy	5.12kWh	10.24kWh	15.36kWh
Charging Cut-off Voltage	57.6V		
Discharge Cut-off Voltage	40.0V		
Max. Charge Current	100A	100A	100A
Max. Discharge Current	100A	100A	100A
Charge Temperature	0~55℃		
Discharge Temperature	-20~60℃		
Storage Environment	-20~55℃		
Environment	Indoor		
Installation	Wall mounted		
Cell Technology	$LiFePO_4$		
Cycle Life	Standard: ≥3000 cycles Advanced: ≥6000 cycles	≥6000 cycles	
Cooling	Natural convection		
Protection Rating	IP54	IP54	IP21
Dimension	505*505*130mm	555*505*235mm	640*555*235mm
Weight	41.88kg	78.85kg	120.77kg
Communication	CAN, RS485		

Floor Mounted Wheel Battery

RES-F Series



RES-F Series is suitable for multiple scenarios, with optional detachable wheels enabling mobile energy storage. It features built-in high-quality $LiFePO_4$ cells with large capacity, ensuring a long cycle life.

Safe & Reliable

High quality $LiFePO_4$ battery

Multi-Scenario

With optional wheels, the battery supports mobile energy storage

High Compatibility

Compatible with multiple inverters

Model	51.2V205AH	51.2V314AH
Nominal Voltage	51.2V	
Capacity	205Ah	314Ah
Energy	10.50kWh	16.08kWh
Charging Cut-off Voltage	57.6V	
Discharge Cut-off Voltage	40.0V	
Max. Charge Current	100A	150A
Max. Discharge Current	100A	150A
Charge Temperature	0~55℃	
Discharge Temperature	-20~60℃	
Storage Environment	-20~55℃	
Environment	Indoor	
Installation	Wheeled	
Cell Technology	$LiFePO_4$	
Cycle Life	≥6000 cycles	Standard: ≥6000 cycles Advanced: ≥8000 cycles
Cooling	Natural convection	
Protection Rating	IP54	
Dimension	555*505*235mm	640*555*235mm
Weight	98kg	140kg
Communication	CAN, RS485	

Stackable Battery

RES-S Series



RES-S Series is a low-voltage stackable energy storage system with a modular design, allowing flexible capacity expansion from 10.24 kWh to 25.6 kWh. Storage units can be easily added or removed to customize the system based on specific needs.

Safe & Reliable

High quality LiFePO4 battery

Long Life

6000+cycle life (@80% DOD)

Flexible Expansion

Modular design, multiple groups in parallel to increase capacity

Model	51.2V200AH	51.2V300AH	51.2V400AH	51.2V500AH
Cell Type	$LiFePO_4$			
Nominal Voltage	51.2V			
Nominal Capacity	200Ah	300Ah	400Ah	500Ah
End-of-charge Voltage	58.4V			
End-of-discharge Voltage	40.0V			
Rated Charge Current	100A	100A	100A	100A
Max. Charge Current	200A	200A	200A	200A
Rated Discharge Current	100A	100A	100A	100A
Max. Discharge Current	200A	200A	200A	200A
Operating Temperature	Charging: -10℃~50℃			
	Discharging: -25℃~60℃			
Cycle Life	≥6000 cycles			
Protection	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage			
	Under-voltage, Over-high/low temperature			
Communication Mode	RS485, CAN, Bluetooth			
Communication Interface	RJ45			
Charge/Discharge Interface	M8 Terminal			
Shell Material	Metal			
Shell Color	White			
Dimensions	565*460*360mm	565*460*540mm	565*460*720mm	565*460*900mm
Net Weight	Approx. 92kg	Approx. 138kg	Approx. 184kg	Approx. 240kg

Rack Mounted Battery

RES-R Series



RES-R Series is a rack-mounted battery system characterized by its compact size, flexibility, and ease of installation. It supports cabinet, stacked, and wall-mounted installations, offering a durable energy storage solution for various specialized scenarios.

Safe & Reliable

High quality $LiFePO_4$ battery

Flexible Capacity

Max.64pcs in Parallel to extend capacity

Easy Installation

Quick plug in +/- and RS485 parallel connection

Model	51.2V119AH
Nominal Voltage	51.2V
Rated Capacity	119Ah
Energy	6.09kWh
Charging Cut-off Voltage	57.6V
Discharge Cut-off Voltage	43.2V
Max. Charge Current	100A
Max. Discharge Current	100A
Charge Temperature	0~45℃
Discharge Temperature	-20~50℃
Storage Environment	0~35℃
Environment	Indoor
Installation	Rack Mount
Cell Technology	$LiFePO_4$
Life Cycle	≥6000 cycles
Cooling	Natural cooling
Protection Rating	IP20
Dimension	500*483*133mm
Weight	52±2kg
Communication	RS485

Floor Mounted All in One Battery

RES-A Series



RES-A Series is an all-in-one floor-standing energy storage system that integrates the battery, inverter, BMS, and cooling system. Its compact design ensures fast and convenient installation.

All-in-One

Integrated energy storage system for quick and easy installation

Multi-mode Switching

Hybrid, off-grid and grid-connected dual output mode

Smart Control

APP monitoring with WiFi and Bluetooth connectivity

Model	25.6V100AH
Voltage	25.6V
Rated Power	2200W
Output Voltage	110/120/220/230/240V AC
Output Frequency	50/60Hz
Output Waveform	Pure sine wave
Input Voltage Range	85-138/170-275V AC
Input Frequency	45-65Hz
Max. PV Voltage	≤100V
PV Input Voltage Range	34-100V
Rated Charging Current	30A
Max. Power	840Wp
Floating Charge Voltage	28.4V
MPPT Efficiency	≥97%
High Voltage Protection Voltage	34V
High Voltage Recovery Voltage	30V
Low Voltage Protection Voltage	26V
Low Voltage Recovery Voltage	22.4V
5V DC USB Output Port	2 units/max 2A
12V DC Output Port	2 units/max 2A
Cooling Method	Temperature control of intelligent exhaust fan
Operating Ambient Temperature	0~40℃
Storage Ambient Temperature	-25~55℃
Operation and Storage Conditions	0-90% (Non-condensing)
Dimensions	540*229*464mm
Weight	42kg

BATTSYS

Website: www.battsysbattery.com

Tel: 0086-20-39011403

Email: inquiry@fentbattery.com

Address: No.3, Dongli Road, Xili, Dongyong Town,
Nansha District, Guangzhou City, China

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