



Tiktok



Youtube



Website

Office address

6 Floors, Building 1 Zhonghui International Mansion, Huicheng District, Huizhou, Guangdong Province, China

Factory address(USA)

BSL NEW ENERGY(USA) TECHNOLOGY CO.,LTD
Address:1036 Jacobson Road. Garland, TX 75042
E-Mail: sales@bslbattery.us
Tel.+(571)412-2485

Office address(European)

BSL New Energy Technology European B.V.
Address: Jollemanhof 221019GW Amsterdam

Factory address

8F, Building D-2-3,1F, Building D-2-3,8F, Building D-2-2,
No.6, Xingyuan NorthRoad, Starting AreaChina-Korea
Huizhou Industrial Park, Zhongkai District, Huizhou city,
Guangdong, P.R. China

Key contact: Haley NingDirect:
+86-752-2819-469

E-mail:
inquiry@bsl-battery.com

Website:
www.lithium-battery-factory.com

LiFePO4 Batteries For FLOOR CLEANING MACHINE

Support your equipments the ultimate power upgrade with
BSLBATT® Lithium-ion Batteries.



www.lithium-battery-factory.com

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Business Card Binding Position

CORPORATE HISTORY

2011

WISDOM INDUSTRIAL POWER CO., LIMITED

Now known as BSL NEW ENERGY (HONGKONG) CO., LIMITED.

2017

The Energy Storage Battery Division is growing rapidly, with product voltages extending to 48V/51.2V and more applications, and volume shipments of lithium batteries for the telecom sector and UPS.

2021

Established HuiZhou BSL NEW ENERGY TECHNOLOGY CO., LTD.

Established HuiZhou lithium battery manufacturing and production line.

Our products are exported to more than 50 countries, and our quality and service are recognized.

2024

- Establish a new automated and modern factory in HuiZhou, with an estimated annual production capacity of 2GWh.
- Establish a factory in Maanshan, Anhui, with an estimated annual production capacity of 1GWh.
- Launch a full range of industrial and commercial energy storage products.
- Establish a warehouse and office in Mexico.

2012

Established HUIZHOU WISDOM POWER TECHNOLOGY CO., LTD. to further expand the business of lead-acid batteries, and the foreign trade sales exceeded 100 million RMB.

2018

Established lithium battery factory in Dongguan, China, with a production area of 6,000 square meters.

Launched the first rack-mounted and wall-mounted battery models for home energy storage, with over 7,000 units sold overseas.

The first generation of power battery modules has been developed, and the lithium power business unit is developing rapidly.

2022

2000-square-foot warehouse and office established in Dallas, Texas, USA.

Products passed UL1973 / UL2580 / IEC / Australia CEC and other international certifications.

2025

Expected sales to reach 700 million RMB.

Plan to establish a branch and office in Japan.

2014

First lithium battery factory in Anhui, China.

Lithium batteries shipped in bulk, 12V/24V for lead-acid replacement.

Forklift lithium battery - aqueous battery technology.

2020

Became the leading ESS brand in South Africa.

Became the #3 China lithium battery brand to be listed by Victron.

2023

Over 90,000 solar batteries installed in residential worldwide.

More than 10,000 power batteries are in operation worldwide.

European office and warehouse opened.

2026

Sales are expected to reach 1 billion RMB.

Global employees will increase to more than 400.

80+
Countries

Global Deliveries

UL2580

The First Company In China To Obtain Certification

20000

Motive Power Lithium Batteries Deployed Worldwide

13+

Years Lithium Experience

6.2%

Continuous R&D Investment

3 GWH+

Delivered Capacity

Top 5

China Motive Power Lithium Battery Supplier

Green Clean Energy

Preferred Chinese lithium battery supplier

60+

Self-developed Patents



LIFEPO4 BATTERIES INDUSTRY LEADER

Power Up for Motive & Stationary Applications





LiFePO4 Batteries for Floor Cleaning Machine

Provide reliable power for most brands of Floor Cleaning Machine



Suitable for the following FM/FCM brands



NOTE: These BSLBATT battery conversions are for Floor Cleaning Machine originally equipped with lead-acid batteries!

Disclaimer. The above information is intended only to illustrate that BSLBATT products are applicable to the products of the above brands in specific cases. It should not be regarded as a legitimate use of third-party brands and trademarks. You should not infer that any agency, employment partnership or joint venture relationship is established or exists between BSLBATT and the above companies.

How to choose the right LiFePO4 battery for you

We manufacture 24, 36 and 48 volt systems to cover most ride on, stand on floor cleaners, polishers.



Sweeper

24V / 36V Battery System



Scrubber

24V / 36V Battery System



Carpet Cleaner

24V / 36V Battery System



Polishing Machine

24V / 36V Battery System

Why Choose BSLBATT LiFePO4 Battery

5-year/10000h warranty
Extremely long warranty and technical support

Long life
4000 cycles @ 80% DOD

Intelligent BMS
Self-developed BMS provides multiple built-in protections

Stable power
No reduction in power due to SOC drop

SOC display
Check power and fault prompts at any time

PDU configuration is flexible
Can be customized to meet different customer needs



Product list [Popular capacity]

Model	Voltage	Capacity (Ah)	Nominal Energy (kWh)	Weight LBS (KG)	Working Current	PEAK Continuous Current(3s)	L W H MM	L W H Inches	Cycle Life	Solution
B-LFP24-105FM	25.6	105	2.68kWh	83.8 lbs 38kg	105A	250A	400*325*222	15.7*12.6*8.4	≥4000@80%DOD	MOS
B-LFP24-135FM	25.6	135	3.45kWh	94.8 lbs 43kg	135A	250A	446*333*222	17.6*13.1*8.7	≥4000@80%DOD	MOS
B-LFP24-150FM	25.6	150	3.84kWh	110.2 lbs 50kg	150A	250A	440*333*222	17.3*13.1*8.7	≥4000@80%DOD	MOS
	25.6	150	3.84kWh	112.4 lbs 51kg	150A	300A	500*350*250	19.7*13.8*9.8	≥4000@80%DOD	Relay
B-LFP24-205FM	25.6	205	5.25kWh	138.9 lbs 63kg	200A	400A	550*333*222	21.7*13.1*8.7	≥4000@80%DOD	Relay
B-LFP24-230FM	25.6	230	5.88kWh	145.5 lbs 66kg	200A	400A	580*333*260	22.8*13.1*10.2	≥4000@80%DOD	Relay
B-LFP24-280FM	25.6	280	7.16kWh	174.2 lbs 79kg	200A	280A	580*360*290	22.8*14.2*11.4	≥4000@80%DOD	Relay
B-LFP36-105FM	38.4	105	4.03kWh	121.3 lbs 55kg	105A	250A	440*333*222	17.3*13.1*8.7	≥4000@80%DOD	MOS
B-LFP36-150FM	38.4	150	5.76kWh	147.7 lbs 67kg	150A	250A	600*333*222	23.6*13.1*8.7	≥4000@80%DOD	MOS
B-LFP36-205FM	38.4	205	7.87kWh	178.6 lbs 81kg	200A	400A	600*350*275	23.6*13.8*10.8	≥4000@80%DOD	Relay
B-LFP36-280FM	38.4	280	10.75kWh	222.7 lbs 101kg	200A	280A	600*350*370	23.6*13.8*14.6	≥4000@80%DOD	Relay
B-LFP36-410FM	38.4	410	15.74kWh	286.6 lbs 130kg	200A	400A	800*380*320	31.5*15*12.6	≥4000@80%DOD	Relay

Working Temperature Range

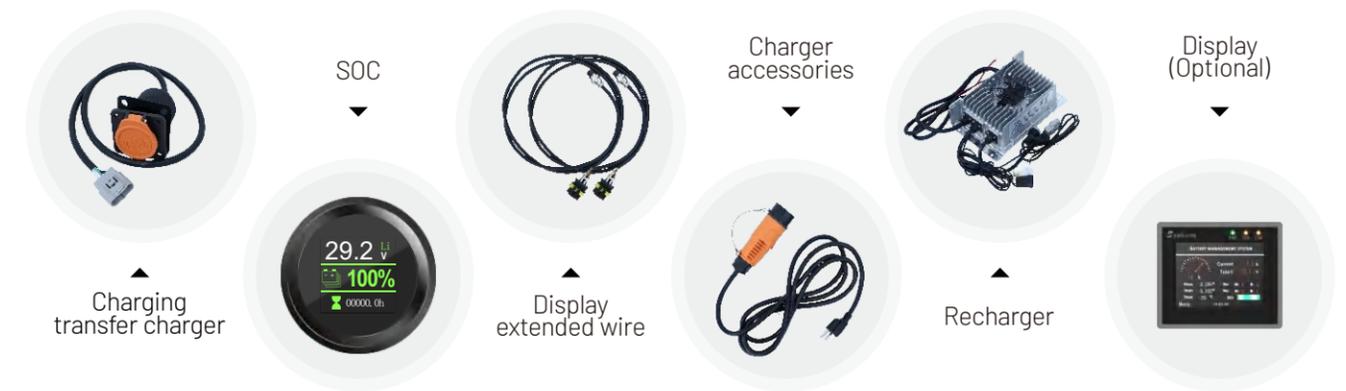
Charge	Discharge	Protection level
32°F~131°F (0°C ~ 55°C)	-4°F~131°F (-20°C ~ 55°C)	IP65
Storage (1 month)	Storage (1 year)	Casing Material
-4°F~131°F (-20°C ~ 55°C)	32°F~95°F (0°C~35°C)	Iron

Application vehicle

Floor Scrubbers	Floor Buffers
Sweepers - Ride On / Stand On / Walk Behind	Scrubber / Dryers - Ride On / Stand On / Walk Behind
Carpet Extractors	Floor Burnishers
Scrubber / Burnishers	Floor Polishers
Floor Machines	

Battery Management System (BMS)

- Built-in BMS with automotive-grade components ensures safety, top quality and high energy density, providing a fully optimized solution for demanding industrial applications.
- The BMS software ensures that the battery delivers optimal performance during operation, provides longer runtime between charges, maximizes total battery life, and enables good communication between the charger, battery and user.



BSLBATT original charger

BSLBATT aerial work platform original charger

BSLBATT has developed a dedicated charger specifically for each type of lithium battery to provide the best battery performance, support 2-hour fast charging, safeguard the driving experience, and maintain the best communication between our LiFePO4 battery and charger.

Matching Delta-Q charging protocol

BSLBATT works with Delta-Q, a Tier 1 OEM supplier, to drive the world's transition to electric energy and improve the performance of customers' electric vehicles and industrial machines to achieve a sustainable world.



Charger Model	Power	Rated Voltage	Max Current (A)	Average Current (A)	Power Supply (V)	
BSL24-40A	1100W	25.6	40	38	American Standard 110-220V	
BSL36-25A		38.4	25	25		
BSL24-50A	1450W	25.6	50	50		European Standards 220V
BSL36-35A		38.4	35	33		
BSL24-20A	600W	25.6	20	20		
BSL36-15A	750W	38.4	15	15		
BSL24-50A	1350W	25.6	50	47		
BSL36-32A		38.4	32	31		
BSL36-50A	2000W	38.4	50	47		

Compatibility

- Our chargers are compatible with voltages in various regions and countries. And are suitable for various charging modes and multiple AC plugs to choose from.

USA: 120V 50HZ

Japan: 100V 50/60HZ

Europe: 220V 50HZ

China: 220V 50HZ



Motive Power Energy Transformation Enabler

- Your partner in powering the future. BSLBATT is your reliable powertrain battery supplier, offering customized OEM solutions, technical training, and 24/7 global support.

Huizhou Factory



-  Floor Area
20000 m²
-  Number of Employees
300+
-  Delivered Capacity
2 Gwh



Focus

Focus on motive power battery systems, rich product lines and compatible service experience.

Reliable

Carrier-level product quality, all passed national/industry standard testing and certification.

Innovation

Follow user demand orientation, constantly review product value, and continue to invest in technology.

