Tiktok

Youtube

Website

Global Headquarters

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

U.S. Branch

BSL NEW ENERGY (USA) TECHNOLOGY CO,LTD
1036 Jacobson Road Suite #200 Garland TX 75042
E-mail: sales@bslbattery.us
Tel: +1(520)861-3970

China Branch

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

Malaysia Factory

BSL NEW ENERGY (MALAYSIA) TECHNOLOGY SDN BHD
350A, LORONG PERINDUSTRIANBUKIT MINYAK 20,
PENANGSCIENCE PARK.. MK 13.KAWASANPERINDUSTRIAN
BUKIT MINYAK,.SPT, BM, PENANG, MALAYSIA,14100,
Seberang Perai, PulauPinang

Brazil Factory

BSL NEW ENERGY TECHNOLOGY BRASIL LTDA

Japan Branch

BSLバッテリー 株式会社
2F Court Oji-Kamiya, 4-26-2 Oji, Kita-ku,
Tokyo, Japan
〒114-0002 東京都北区王子4丁目26 - 2 2F
E-mail: tommy@bsl-battery.com
Tel: +81-70-1529-6797

Key contact: Sales Department:
+86-752-2819-469

E-mail:
inquiry@bsl-battery.com

Website:
www.lithium-battery-factory.com / www.bslbatt.com

LiFePO4 Batteries For AERIAL WORK PLATFORMS

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



EV

www.lithium-battery-factory.com

©2026 BSLBATT. All rights reserved BSLBATT. ISO and UL areproperty of the international organization for Standardization and Underwriters Laboratories respectively. Subject to revisions without prior notice.E.&OE.

Business Card Binding Position



CORPORATE HISTORY

2011

WISDOM INDUSTRIALPOWER CO., LIMITED

Now known as BSLNEW ENERGY (HONGKONG) CO.,LIMITED,

2012

Established HUIZHOUWISDOM POWER TECHNOLOGY CO., LTD. to further expand the businessof lead-acid batteries, andthe foreign trade salesexceeded 100 million RMB

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.

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.

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.

2020

Became the leading ESS brand in South Africa.

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

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

2022

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

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

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.

2024

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

2025

Expected sales to reach 700 million RMB.

Plan to establish a branch and office in Japan.

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

Mobile Elevating Work Platform
Preferred Chinese lithium battery supplier

60+
Self-developed Patents

BSLBATT®

LIFEPO4 BATTERIES
INDUSTRY LEADER

Power Up for Motive & Stationary Applications





Latest Technology. Huge Growth For Your Business

Switching from lead-acid batteries to lithium-ion batteries is simple, cost-effective, and will increase your fleet productivity and keep your personnel safe.

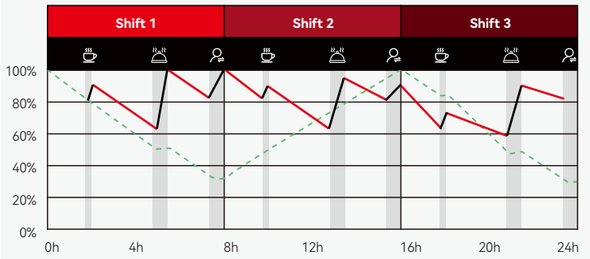
COST FACTOR	FLA	AGM	GEL	LiFePO4 Battery
PURCHASE COST	$	$ $	$ $ +	$ $ $
INSTALLATION COST	$	$	$	$
MAINTENANCE COST	$ $ $	$	$	•••
CHARGING COST	$ $ $ $ $	$ $ $ $ $	$ $ $ $ $	$ $
REPLACEMENT COST	$ $ $ $ $	$ $ $ $ $ +	$ $ $ $ $	•••
REPLACEMENT LABOR	$ $ $	$ $ $ $	$ $ $	•••
OF REPLACEMENTS	▬▬▬▬▬▬	▬▬▬▬▬▬▬▬	▬▬▬▬▬▬	•••
CYCLE LIFE	↻↻↻	↻↻	↻↻↻	↻↻↻↻↻+
TOTAL COST OVER LIFE	$ $ $ $ $	$ $ $ $ $ +	$ $ $ $ $	$ $

Charge At Any Time To Improve Efficiency

- Reduces the need for each charge.
- No need to frequently replace time-consuming batteries.
- Eliminates the risk of battery replacement accidents.
- Opportunistic charging during breaks, lunch, and shifts. Charge at any time when the device is not in use.



Typical charge and discharge of LiFePO4 batteries for 3 shifts



Coffee break Lunch time Change shift

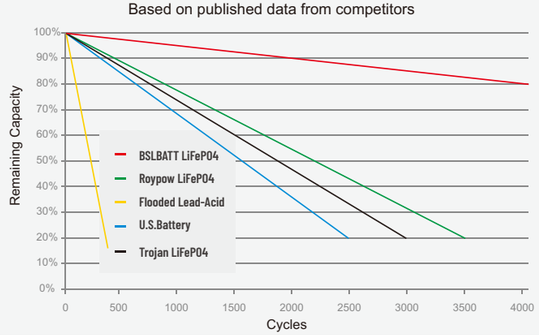
LiFePO4 battery charging

LiFePO4 battery discharging

Lead-acid battery chargingand discharging

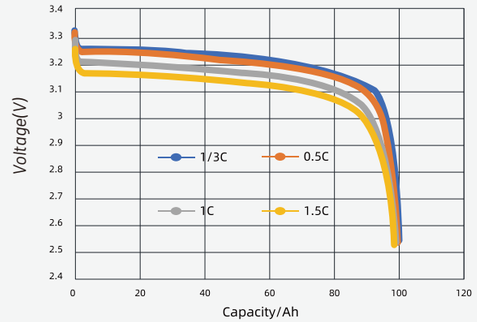
CYCLE LIFE VS. DEPTH OF DISCHARGE(DOD)AT 80%
DISCHARGE 1C/CHARGE 0.5C @ 25°C(77°F)

Based on published data from competitors



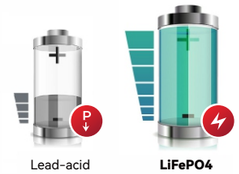
DISCHARGE CURRENT: 1/3C / 0.5C / 1C / 1.5C

100Ah-Discharge Rate@25℃



Consistent Power

- LiFePO4 batteries provide consistent power without loss of efficiency even at the end of a shift.



Say goodbye to the need for dedicated charging rooms and frequent battery replacement

- Reduce the cost of frequent lead-acid battery replacement
- Eliminate storage space and extra maintenance time.
- No pollution, no need to add water, no odor, quiet and comfortable charging.



LiFePO4 Batteries for Aerial Work Platforms

Provide reliable power for most brands of aerial work platforms



Suitable for the following AWP/MEWP brands

SKYJACK · SANY · niftylift · mec · Mantall · LiuGong · JLG · Genie · AICHI CORPORATION · ZOOMLION 中联重科 · XCMG · snorkel · SUNWARD · Dingli · SINOBOOM · Haulotte

NOTE: These BSLBATT battery conversions are for aerial work equipment 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, 48 and 72 volt systems to cover small and large platform electric scissor lifts, electric boom lifts and electric vertical lift.



Scissor Lift

24V / 48V Battery System



Boom Lift

24V / 48V Battery System



Small vertical lift

24V Battery System



Large mobile vertical lift

24V 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 power reduction due to power loss

SOC display
Check power and fault prompts at any time



Best lithium battery solutions for the following Aerial Work Platform brands

- JLG Industries
- Genie
- Skyjack
- Haulotte Snorkel
- Taski
- Niftylift
- Aichi Corporation
- Manitou Group
- MEC Aerial Work Platforms
- Dingli
- Bronto Skylift

PRODUCT LIST [POPULAR CAPACITY]

Model	Voltage	Capacity (Ah)	Nominal Energy (Wh)	Working Current (A)	PEAK Continuous Current (10s)	L W H MM	L W H Inches	Weight LBS (KG)	Cycle life
B-LFP24-72AWP-B	25.6	72	1843	72	150	440*234*245	17.32*9.21*9.65	53 lbs (24 kg)	≥4500@ 80%DOD
B-LFP24-105AWP-B	25.6	105	2688	105	250	370*330*270	14.57*12.99*10.63	84 lbs (38 kg)	≥4500@ 80%DOD
B-LFP24-105AWP-A	25.6	105	2688	105	250	370*330*270	14.57*12.99*10.63	84 lbs (38 kg)	≥4500@ 80%DOD
B-LFP24-168AWP-A	25.6	168	4301	168	300	520*330*275	20.47*12.99*10.83	121 lbs (55 kg)	≥4500@ 80%DOD
B-LFP24-205AWP-A	25.6	205	5248	200	300	540*330*275	21.26*12.99*10.83	139 lbs (63 kg)	≥4500@ 80%DOD
B-LFP24-230AWP-A	25.6	230	5888	200	300	540*330*275	21.26*12.99*10.83	146 lbs (66 kg)	≥4500@ 80%DOD
B-LFP48-300AWP-P	51.2	300	15360	200	300	740*275*340*(2)	29.13*10.83*13.39*(2)	286 lbs (130 kg)	≥4500@ 80%DOD
B-LFP48-410AWP-P	51.2	410	20992	200	300	740*420*280*(2)	29.13*16.54*11.02*(2)	385 lbs (175 kg)	≥4500@ 80%DOD
B-LFP72-205AWP-P	73.6	205	15088	200	300	Customize	/	297 lbs (135 kg)	≥4500@ 80%DOD
B-LFP72-230AWP-P	73.6	230	16928	200	300	Customize	/	332 lbs (151 kg)	≥4500@ 80%DOD
B-LFP72-280AWP-P	73.6	280	20608	200	300	Customize	/	392 lbs (178 kg)	≥4500@ 80%DOD

WORKING TEMPERATURE RANGE

Charge 32°F~131°F (0°C ~ 55°C)	**Discharge** -4°F~131°F (-20°C ~ 55°C)	**Protection level** IP65~IP67
Storage (1 month) -4°F~131°F (-20°C ~ 55°C)	**Storage (1 year)** 32°F~95°F (0°C~35°C)	**Casing Material** Iron

APPLICATION VEHICLE

Aerial Work Platforms	Aerial Lifts	Arm Lifts
Articulating Booms	Articulating Boom Telescopic Lifts	Boom Lifts
Crane Vehicles	Maintenance Platforms	Mast Booms
Mast Lifts	Mobile Elevated Work Platforms	Mobile Vertical Lifts
Personnel Lifts	Scissor Lifts	Service Platforms
Specialty Lifts	Telescopic Booms	Telescopic Lifts
Towable Booms	Trailer Mounted Lifts	

Battery Manageme t 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 deli ers optimal perormance during operation, provides longer runtime between charges, maximizes total battery lie, and enables good communication between the charger, battery and use.



BSLBATT original charger

- **BSLBATT aerial work platform original charger**
  BSLBATT has developed a dedicated charger specifically or each type of lithium battteryo provide the best battery pe rformance, support 2-houast charging, safeguard the driving experience, and maintain the best communication between our LiFePO4 battery and chager.

- **Officially Compatible Chargers**
  BSLBATT partners with Tier-1 OEM charger manufacturers Delta-Q and S.P.E to deliver officially compatible charging solutions.
  Together, we help accelerate the global transition to electric power while enhancing the performance, safety, and reliability of electric vehicles and industrial equipment — enabling a more sustainable future.



S.P.E. ELETTRONICA INDUSTRIALE

delta-q TECHNOLOGIES
A ZAPI GROUP COMPANY



Charging transfer charger

SOC





Display extended wire

Charger accessories





Recharger

Display (Optional)



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
BSL48-20A		51.2	20	19	
BSL24-50A	1450W	25.6	50	50	
BSL48-30A		51.2	30	26	
BSL24-20A	600W	25.6	20	20	European Standards 220V
BSL24-50A	1350W	25.6	50	47	
BSL48-25A		51.2	25	23	
BSL48-35A	2000W	51.2	35	35	
BSL72-25A		73.6	25	24	
BSL48-50A	3300W	51.2	50	50	

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.











