



LIGHT MOTIVE POWER

Leading Global Lithium Battery Manufacturer



Tiktok



Youtube



Website



Global Headquarters

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Starting AreaChina-Korea Huizhou Industrial
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Malaysia Factory

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Brazil Factory

BSL NEW ENERGY TECHNOLOGY BRASIL LTDA

Japan Branch

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The best
Lithium Ion Battery
Company is Your Choice

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CORPORATE ADVANTAGE



- BSLBATT is a professional lithium-ion battery manufacturer with over **19 years of R&D and OEM experience.**

Its Core Mission is to drive the global decarbonization of low-speed vehicles and to develop and produce the advanced “BSLBATT” (Best Lithium Battery Solution) series of products.

Products and Certifications:

Products comply with multiple international standards, including ISO, CE, UL, UN38.3, ROHS, and IE.

The application fields are extremely wide, covering golf carts, sightseeing vehicles, RVs, marine vessels, floor cleaning machines, aerial work platforms (AWP), agricultural equipment, AGV/AMR, industrial equipment, and solar energy storage.

Vision:

The company continuously paves the way for a greener, more efficient energy storage future by providing comprehensive service and high-quality products.



R&D team

The R&D team has more than 70 people, experience in lithium-ion batteries in the power field; the marketing and after-sales service team has more than 300 people.



Production capacity

3GWh+
About 1,000 sets per day,
30,000-35,000 sets per month



Patents

Over 141 patents as of
January 2026



Description

BSLBATT is committed to providing customers with safe, lightweight and durable green energy products. Its main product targets are golf carts, low-speed vehicles, boats, trolling motors, RVs, aerial work platforms, floor machine batteries, etc.



Production base

More than 25000m²



Factory Standard

IEC61690, IEC62133
ISO 12405-1:2011
ISO 12405-2:2012
ISO 12405-3:2014



Distributors

10 Master Distributors across six continents as
of January 2026



Lead time

4-6 weeks, depends on the quantity
and customization requirements.



Exports

Exported to 143 countries
and regions

DEVELOPMENT HISTORY



2011

Establishment WISDOM INDUSTRIAL POWER CO., LIMITED

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

2013

First lithium battery factory in Anhui, China Lithium batteries shipped in bulk, 12V/24V for lead-acid replacement.

Forklift lithium battery--aqueous battery technology.

2018

Established a 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 growing rapidly.

2021

Established Huizhou BSL New Energy Technology Co., Ltd.

Launched the Huizhou lithium battery manufacturing and production line.

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

2023

Over 90,000 solar batteries have been installed in residential properties worldwide.

Over 10,000 power batteries are currently in operation worldwide.

We have surpassed \$68 million in sales revenue.

A European office and warehouse have been opened.

Obtained high-tech enterprise certification.

2025

Expected sales to reach 700 million RMB.

Established Japanese branch and office.

Awarded the certification of Specialized, Refined, Differentiated, and Innovative Enterprise.

Sales are expected to reach 100 million USD.

IPO on the National Equities Exchange and Quotations (NEEQ).

HUIZHOUWISDOM POWER TECHNOLOGY CO., LTD.

The lead-acid battery business was further expanded, and foreign trade sales exceeded 100 million yuan.

2012

The Energy Storage Battery Division is growing rapidly, with product voltages extending to 48V/51.2V and an increasing range of applications.

Volume shipments of lithium batteries are also growing for the telecom sector and UPS.

2014

Became the leading ESS brand in South Africa.

The second generation of ESS modules has been developed.

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

2020

A 2,000-square-foot warehouse and office were established in Dallas, Texas, USA.

Our products have obtained international certifications including UL 1973, UL 2580, IEC standards, and Australia CEC accreditation.

2022

Established a new automated and modern factory in Huizhou, with an annual production capacity of 2 Gwh.

Established a factory in Maanshan, Anhui, with an annual production capacity of 1 Gwh.

Launched a full range of industrial and commercial energy storage products.

Established a warehouse and office in Mexico.

Angel Investment: USD 21 million.

2024

Publicly listed on the Beijing Stock Exchange.

Sales are expected to reach 150 million USD Deploy 160 dealers.

Global employees in crease to more than 400.

2026

ENTERPRISE QUALIFICATION



intellectual property rights
141 Patents for inventions 30+ Utility model 43+ Appearance patents 58 Software copyright 10

▶ We have obtained **70** invention patents and a utility model

▶ **5** software copyright.

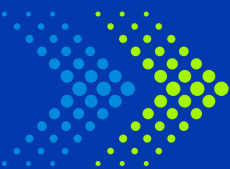


▶ INSURANCE

The BSLBATT product is insured by PICC, which offers global service to our customer.

The people's insurance company of China limited, known as PICC group or just PICC, is a Chinese listed insurer.





LITHIUM ADVANTAGES

All of these powerful advantages make BSLBATT LiFePO4 batteries an ideal replacement for traditional lead-acid batteries.

Converting your batteries to lithium-ion may require a higher initial investment, but its ongoing savings in energy, equipment, labor, and downtime will significantly reduce your total cost of ownership (TCO).



▶ LiFePO4 Batteries VS Lead-Acid Batteries

	BSLBATT® LiFePO4	Lead-Acid
Energy Density	High	Low
Cycle Life	≥6000	500
Depth of Discharge, DoD	80% – 100%	≤ 50%
Output performance	Stable	Unstable
Charging Time	2 hours	8-10 hours
Self-Discharge Rate	1% – 3%	10% – 20%
Security	BMS multiple protection	Leakage risk
Weight and dimensions	Lightweight	Heavy
Initial Cost	Higher	Lower
Total Cost of Ownership, TCO	Save 70% within 5 years	expensive
Environmental friendly	Environmentally friendly	Contains lead and sulfuric acid.
Maintenance requirements	Maintenance-free	Regular maintenance



WHY PAY MORE FOR LIFEPO4?

BSLBATT's long-life LiFePO4 batteries reduce the inconvenience and expense of replacements and service calls, and provide peace of mind for many users in demanding applications. Our calculations compare the total cost of ownership of BSLBATT's B-LFP12-100 (12V 100Ah LiFePO4 battery) to three equally sized (BCI Group31) off-the-shelf lead-acid battery technologies. Using measured life taken from each battery's published manufacturer specifications, our analysis shows that BSLBATT's lifetime cost is at least 40% lower than the most cost-effective lead-acid battery.

▶ Total cost over life comparison

COST FACTOR	FLA	AGM	GEL	BSLBATT® LiFePO4
PURCHASE COST	\$	\$ \$	\$ \$ +	\$ \$ \$
INSTALLATION COST	\$	\$	\$	\$
MAINTENANCE COST	\$ \$ \$	\$	\$	...
CHARGING COST	\$ \$ \$ \$ \$	\$ \$ \$ \$ \$	\$ \$ \$ \$ \$	\$ \$
REPLACEMENT COST	\$ \$ \$ \$ \$	\$ \$ \$ \$ \$ +	\$ \$ \$ \$ \$	...
REPLACEMENT LABOR	\$ \$ \$	\$ \$ \$ \$	\$ \$ \$	...
NO. OF REPLACEMENTS	■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■	...
CYCLE LIFE	↻ ↻ ↻	↻ ↻	↻ ↻ ↻	↻ ↻ ↻ ↻ ↻ +
TOTAL COST OVER LIFE	\$ \$ \$ \$ \$	\$ \$ \$ \$ \$ +	\$ \$ \$ \$ \$	\$ \$

WHY CHOOSE BSL?

Universal Compatibility

- Fits all major equipment brands with 30+ battery models covering multiple industrial applications.

Rugged & Reliable Design

- Tinned welding points and automotive-grade CCS module ensure superior vibration resistance and long-term stability.

10-Year Warranty

- Up to 30% longer service life than industry standards, delivering lower total cost of ownership.

Ultra-Low Standby Power

- Exclusive magnetic latching technology reduces standby power consumption by up to 150×.

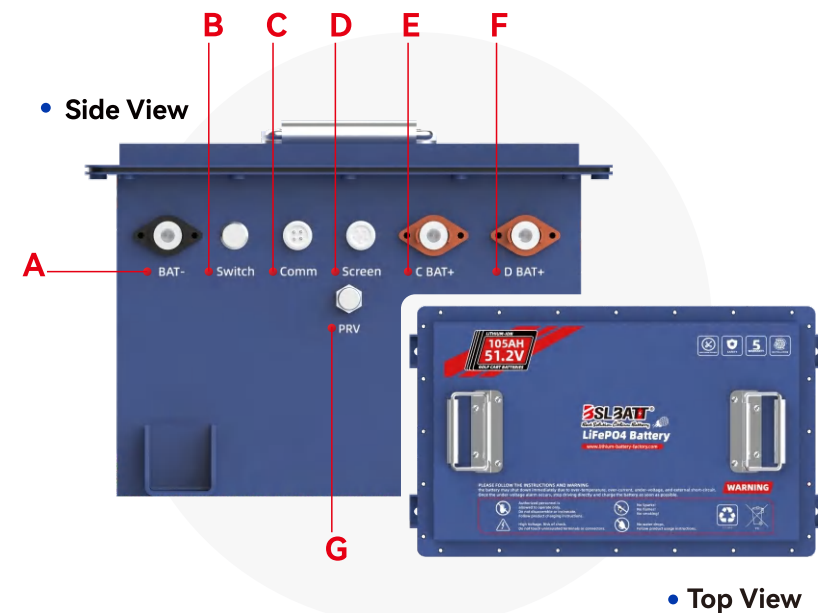
Integrated Relay & BMS

- World-first compact integration improves reliability and simplifies maintenance.

TOP 3 Cell Technology

- Powered by EVE A+ Grade LiFePO4 cells from a global top-three cell manufacturer.

▶ B-LFP48-105GC



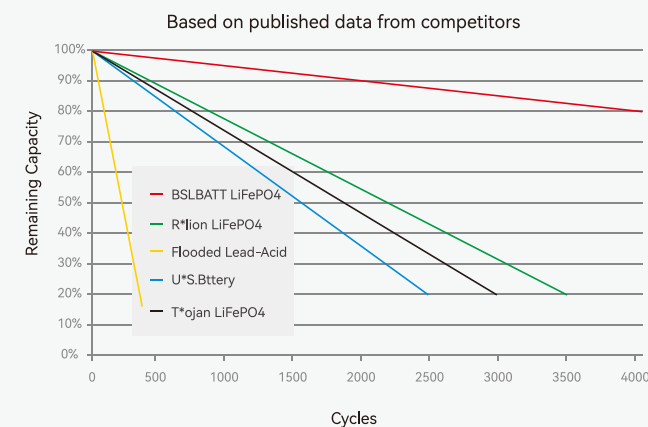
SIDE VIEW:

- A. Charge and discharge negative port
- B. Power switch
- C. Communication interface
- D. Display screen interface (SOC)
- E. Positive charging port (M8)
- F. Positive discharge port (M8)
- G. Explosion proof valve

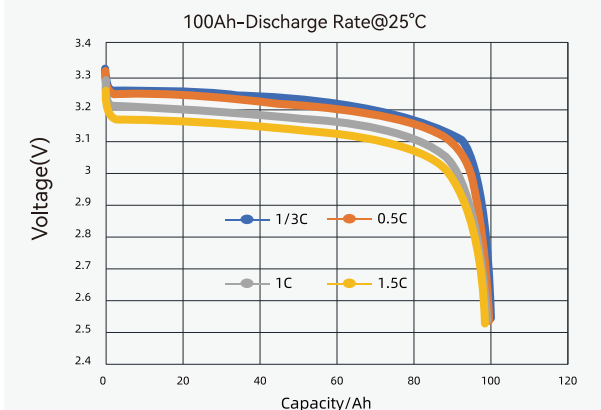
▶ TECHNICAL BSLBATT LITHIUM CURVE

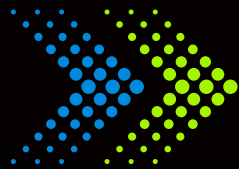
BSLBATT Lithium battery has a longer constant stable curve during discharge

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



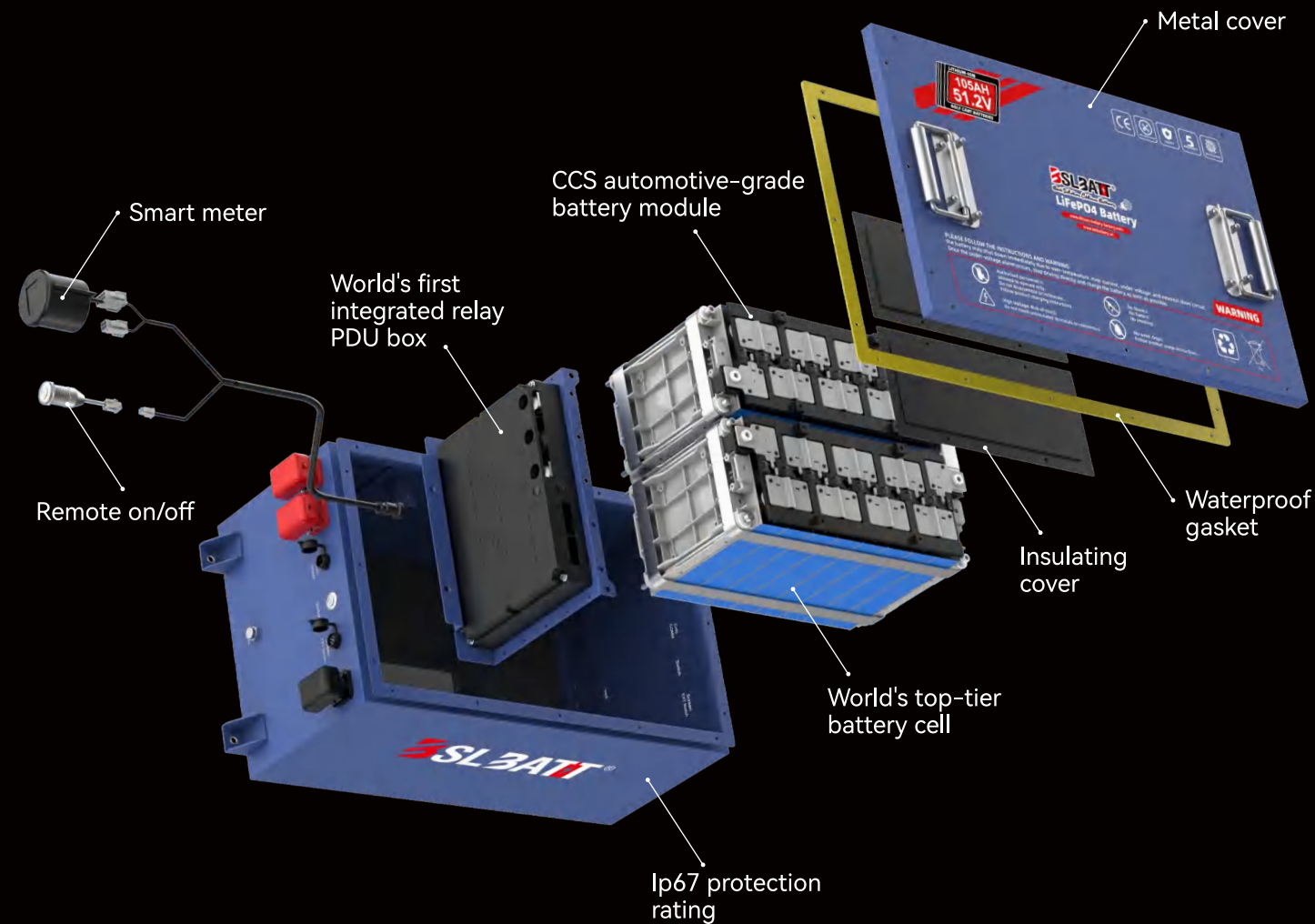
DISCHARGE CURRENT: 1/3C / 0.5C / 1C / 1.5C



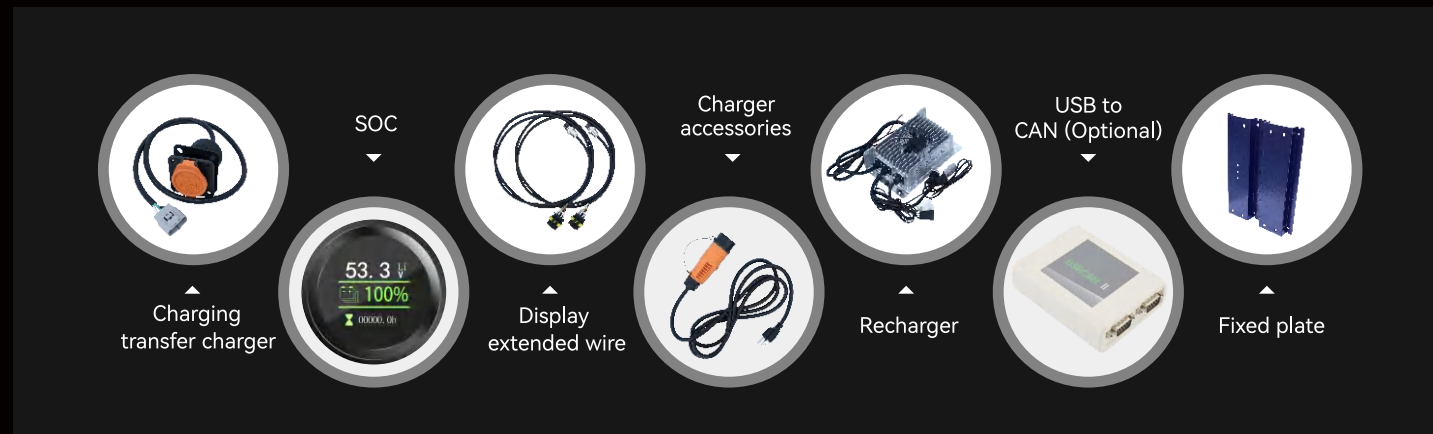


LIFEPO4 BATTERIES

Golf Cart Battery Pack Disassembly



▶ PRODUCT ACCESSORIES



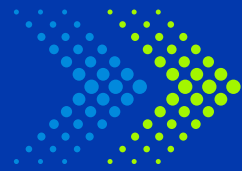
▶ PRODUCT LIST [POPULAR CAPACITY]

Model	Voltage	Capacity (Ah)	Weight lbs (kg)	Maximum continuous discharge (A)	Maximum pulse discharge (30S)	Maximum instantaneous discharge (2S)	Nominal Energy (wh)	L W H (Inches)	L W H (mm)	Cycle life	Estimated mileage
B-LFP36-105GC-B	38.4	105	92 lbs (41kg)	105	150	210	4032	19.49*12.99*9.06	495*330*230	≥4500@80%DOD	30-40 miles (48-64 km)
B-LFP36-105GC-A	38.4	105	92 lbs (41kg)	105	210	315	4032	19.49*12.99*9.06	495*330*230	≥4500@80%DOD	30-40 miles (48-64 km)
B-LFP36-168GC-A	38.4	168	141 lbs (64kg)	168	336	470	6451	27.17*13.39*10.04	690*340*255	≥4500@80%DOD	48-64 miles (77-103 km)
B-LFP48-72GC-B	51.2	72	86 lbs (39kg)	72	100	150	3686	19.69*15.12*8.07	500*384*205	≥4500@80%DOD	30-42 miles (48-67 km)
B-LFP48-105GC-B	51.2	105	114 lbs (52kg)	105	150	210	5376	22.44*12.99*9.06	570*330*230	≥4500@80%DOD	40-50 miles (64-80 km)
B-LFP48-105GC-A	51.2	105	114 lbs (52kg)	105	210	315	5376	22.44*12.99*9.06	570*330*230	≥4500@80%DOD	50-60 miles (80-97 km)
B-LFP48-168GC-A	51.2	168	180 lbs (82kg)	168	336	470	8602	24.41*14.96*10.04	620*380*255	≥4500@80%DOD	75-86 miles (121-138 km)
B-LFP48-205GC-A	51.2	205	202 lbs (92kg)	200	410	615	10496	27.76*16.54*10.04	705*420*255	≥4500@80%DOD	80-90 miles (129-145 km)
B-LFP48-230GC-A	51.2	230	227 lbs (103kg)	200	410	615	11776	27.76*16.54*10.04	705*420*255	≥4500@80%DOD	90-100 miles (145-161 km)
B-LFP72-105GC-P	73.6	105	161 lbs (73kg)	105	210	315	7728	27.56*16.06*8.98	700*408*228	≥4500@80%DOD	50-60 miles (80-97 km)
B-LFP72-168GC-P	73.6	168	260 lbs (118kg)	168	336	470	12365	35.43*16.06*9.25	900*408*235	≥4500@80%DOD	85-100 miles (137-161 km)
B-LFP72-205GC-P	73.6	205	297 lbs (135kg)	200	410	615	15088	40.16*17.72*9.25	1020*450*235	≥4500@80%DOD	90-100 miles (145-161 km)

▶ WORKING TEMPERATURE RANGE

Charge 32°F~131°F (0°C ~ 55°C)	Discharge -4°F to 140°F -20°C to 60°C	Customized protection level IP65-IP67
Storage (1 month) -4°F to 140°F -20°C to 60°C	Storage (1 year) 32°F~95°F (0°C~35°C)	CasingMaterial Iron

Note: 1. Only authorized professionals can operate or adjust the battery.
2. All data based on BSLBATT standard test procedure (2 passengers) on flat road. Expected mileage may vary depending on actual conditions (steep slopes, number of passengers, temperature).



LIFEPO4 BATTERIES

For Aerial Work Platform



Zero maintenance,
reducing labor costs and
employee injuries



No dedicated charging
room required



Charge at any time,
reducing downtime



Save up to 70% in 5 years,
designed life of 12 years



**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]

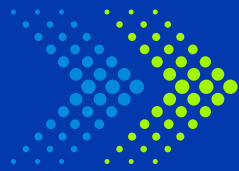
Model	Voltage	Capacity (Ah)	Nominal Energy (Wh)	Working Current (A)	PEAK Continuous Current (10s)	L W H MM	L W H Inches	Weight LBS (KG)	Cycle life
B-LFP24-72AWP-B	25.6	72	1843	72	150	440*234*245	17.32*9.21*9.65	53 lbs (24 kg)	≥4500@ 80%DOD
B-LFP24-105AWP-B	25.6	105	2688	105	250	370*330*270	14.57*12.99*10.63	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)	CasingMaterial 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	



LIFEPO4 BATTERIES

For Floor Machines



Zero maintenance



0 noise



Charge at any time



No pollution



Save up to 70% in 5 years

F M



Best lithium battery solutions for the following Floor Machine brands

- Tennant • Nilfisk • Kärcher • Hako • Taski • Advance
- Comac • FIMAP • Viper • PowerBoss

▶ PRODUCT LIST [POPULAR CAPACITY]

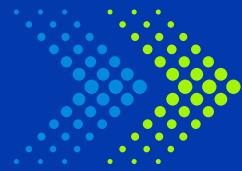
Model	Voltage	Capacity (Ah)	Nominal Energy (Wh)	Working Current (A)	PEAK Continuous Current (10s)	L W H MM	L W H Inches	Weight LBS (KG)	Cycle life	Solution
B-LFP24-72FM-B	25.6	72	1843	36	144	440*234*245	17.32*9.21*9.65	25kg	≥4500@80%DOD	MOS
B-LFP24-105FM-B	25.6	105	2688	52.5	150	370*330*270	14.57*12.99*10.63	38kg	≥4500@80%DOD	MOS
B-LFP24-150FM-B	25.6	150	3840	75	150	530*330*238	20.87*12.99*9.37	50kg	≥4500@80%DOD	MOS
B-LFP24-205FM-B	25.6	205	5248	102	205	540*330*275	21.26*12.99*10.83	63kg	≥4500@80%DOD	MOS
B-LFP36-72FM-B	38.4	72	2765	36	144	370*384*245	14.57*15.12*9.65	30kg	≥4500@80%DOD	MOS
B-LFP36-105FM-B	38.4	105	4032	52.5	150	435*330*268	17.13*12.99*10.55	55kg	≥4500@80%DOD	MOS
B-LFP36-150FM-B	38.4	150	5760	75	150	540*420*238	21.26*16.54*9.37	67kg	≥4500@80%DOD	MOS
B-LFP36-205FM-B	38.4	205	7872	102	205	580*420*275	22.83*16.54*10.83	81kg	≥4500@80%DOD	MOS
B-LFP36-280FM-B	38.4	280	10752	150	205	640*540*420	25.20*21.26*16.54	105kg	≥4500@80%DOD	MOS
B-LFP36-300FM-B	38.4	300	11520	150	205	640*540*420	25.20*21.26*16.54	118kg	≥4500@80%DOD	MOS

▶ WORKING TEMPERATURE RANGE

Charge 32°F~131°F (0°C ~ 55°C)	Discharge -4°F~131°F (-20°C ~ 55°C)	Protection level IP65
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

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



REPLACEMENT FOR LEAD ACID

GEL or AGMin LFP Battery Solutions



Drop-in
Replacement



Tier One, A+ LiFePO4
Cell composition



5 Years Warranty
Guarantee



Smart Hardware &
Software Design



Long Service Life



Eco-Friendly



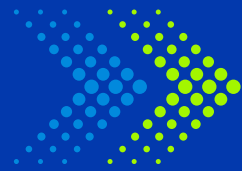
▶ PRODUCT LIST [POPULAR CAPACITY]

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-LFP12-100	12.8	100	1.28	50	100	339.7*184.9*218.5	13.37*7.28*8.60	12kg	≥3500@80%DOD
B-LFP12-200	12.8	200	2.56	100	200	502*186*238.5	19.76*7.32*9.39	20kg	≥3500@80%DOD
B-LFP12-300	12.8	304	3.8912	150	300	368*188*245	14.49*7.40*9.65	26kg	≥3500@80%DOD
B-LFP12-460	12.8	460	4.8912	230	460	522*269*221	20.55*10.59*8.70	41kg	≥3500@80%DOD
B-LFP24-50	25.6	52	1.3312	25	50	329*172*219.9	12.95*6.77*8.66	15kg	≥3500@80%DOD
B-LFP24-100	25.6	100	2.56	50	100	521*243*222.3	20.51*9.57*8.75	21kg	≥3500@80%DOD
B-LFP24-150	25.6	150	3.84	75	150	521*243*222.3	20.51*9.57*8.75	28kg	≥3500@80%DOD
B-LFP24-200	25.6	206	5.2736	100	200	520*268*219	20.47*10.55*8.62	38kg	≥3500@80%DOD
B-LFP36-100	38.4	100	3.84	50	200	520*268*219	20.47*10.55*8.62	31kg	≥3500@80%DOD
B-LFP48-100	51.2	100	5.12	100	200	521*267*240	20.51*10.51*9.45	39kg	≥3500@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 ABS

1. All images are for reference only, and the data is based on BSLBATT standard test procedures and peer data.
2. Actual performance may vary due to local conditions. Only authorized personnel are allowed to operate or adjust the battery.



LIFEPO4 BATTERIES

For Marine



Maximum expandable to
16 units in parallel



1C discharge



Victron compatible



Over 6000 deep cycle
discharges



IP65 protection rating,
resistant to sea salt
corrosion



Optional heating



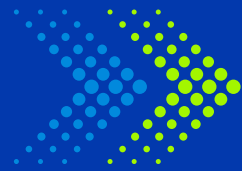
► DESIGNED FOR MARINE / TROLLING MOTOR / UPS / LAWN MOVER / FISH FINDER / BOATS

Model	Voltage	Capacity (Ah)	Nominal Energy (Wh)	Working Current	PEAK Continuous Current (10s)	L W H MM	L W H Inches	Cycle life	Casing Material
B-LFP12-50	12.8	50	0.64kWh	50A	100A	198*165*175	7.8*6.5*6.9	≥4000@ 80%DOD	ABS
B-LFP12-100	12.8	100	1.28kWh	100A	200A	330*172*215	13.0*6.8*8.5	≥4000@ 80%DOD	ABS
B-LFP24-52	25.6	52	1.33kWh	50A	100A	260*168*209	10.2*6.6*18.2	≥4000@ 80%DOD	ABS
B-LFP24-67	25.6	67	1.71kWh	60A	120A	260*168*209	10.2*6.6*18.2	≥4000@ 80%DOD	ABS
B-LFP24-100M	25.6	100	2.56kWh	100A	210A	436*325*215	17.2*12.8*8.5	≥4000@ 80%DOD	Iron
B-LFP24-135M	25.6	135	3.43kWh	135A	270A	446*333*222	17.6*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP24-150M	25.6	150	3.84kWh	150A	300A	440*333*222	17.3*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP24-205M	25.6	205	5.25kWh	205A	410A	550*333*222	21.7*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP24-230M	25.6	230	5.88kWh	230A	460A	550*333*222	21.7*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP24-268M	25.6	268	6.86kWh	260A	520A	515*343*222	20.2*13.5*8.7	≥4000@ 80%DOD	Iron
B-LFP24-280M	25.6	280	7.16kWh	280A	560A	450*360*290	17.7*14.2*11.4	≥4000@ 80%DOD	Iron
B-LFP36-105M	38.4	105	4.03kWh	105A	210A	440*333*222	17.3*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP36-150M	38.4	150	5.76kWh	150A	300A	600*333*222	23.6*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP36-205M	38.4	205	7.87kWh	205A	410A	810*333*222	31.9*13.1*8.7	≥4000@ 80%DOD	Iron
B-LFP36-280M	38.4	280	10.75kWh	280A	560A	580*380*320	22.8*15*12.6	≥4000@ 80%DOD	Iron
B-LFP36-410M	38.4	410	15.74kWh	410A	820A	800*380*320	31.5*15*12.6	≥4000@ 80%DOD	Iron

► WORKING TEMPERATURE RANGE

Charge	Discharge	Protection level
32°F~131°F (0°C ~ 55°C)	-4°F to 140°F -20°C to 60°C	ASB:IP54 Iron:IP65
Storage (1 month)	Storage (1 year)	
-4°F to 140°F -20°C to 60°C	32°F~95°F (0°C~35°C)	

1. All images are for reference only, and the data is based on BSLBATT standard test procedures and peer data.
2. Actual performance may vary due to local conditions. Only authorized personnel are allowed to operate or adjust the battery.



LIFEPO4 BATTERIES

For RV, Trailer & Camper



Integrates with solar panels, inverters, and MPPT controllers



Perfectly compatible with Victron products



Ultra-thin design – saves space



Built-in battery level indicator and Bluetooth



Intelligent Battery Management System (BMS)



Enjoy worry-free off-grid living



RV

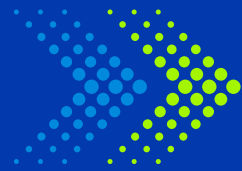


▶ PRODUCT LIST [ULTRA-THIN SERIES]

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)	Terminal Type	Cycle life
B-LFP12-100S	12.8	100	1.28	50	100	600*270*65	23.62*10.63*2.56	15kg	M8	≥4000@80%DOD
B-LFP12-200S	12.8	200	2.56	100	200	850*275*70	33.46*10.83*2.76	28kg	M8	≥4000@80%DOD

▶ SPECIFICATION

	B-LFP12-100S	B-LFP12-200S
Model Number	B-LFP12-100S	B-LFP12-200S
Voltage Range(V)	9.2~14.6	9.2~14.6
Cell	3.2V100Ah	3.2V200Ah
Cell Series & Parallels	4S1P	4S1P
Rated Voltage (V)	12.8	12.8
Rated Capacity(Ah)	100	200
Rated Energy (Kwh)	1.28	2.56
Maximum Charge Current (A)	100	200
Maximum Discharge Current (A)	200	200
Pulse Current(A)(5s)	300	300
Recommended Discharge Voltage (V)	11.2	11.2
Life cycle (@25 0.5C/0.25C,80%DOD)	Approx. 4000	Approx. 4000
Short-circuit Current (< 10ms)	Approx. 1200A	Approx. 2500A
Dimension(W*D*H)	270*600*65 MM	275*850*70 MM
Total Weight (kg)	Approx. 15	Approx. 28
Internal Resistance Fully Charged @25C	10m Ohms	≤5m Ohms
Thermal Management	Nature Cooling	Nature Cooling
Operating Temperature Charge	50°C	0~50°C
Operating Temperature Discharge	-20~65°C	-20~65°C
Operating Humidity	60 ± 25% R.H.	60 ± 25% R.H.
Recommended Discharge Voltage (V)	13.6~13.8	13.6~13.8



LIFEPO4 BATTERIES

For AGV / AMR



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

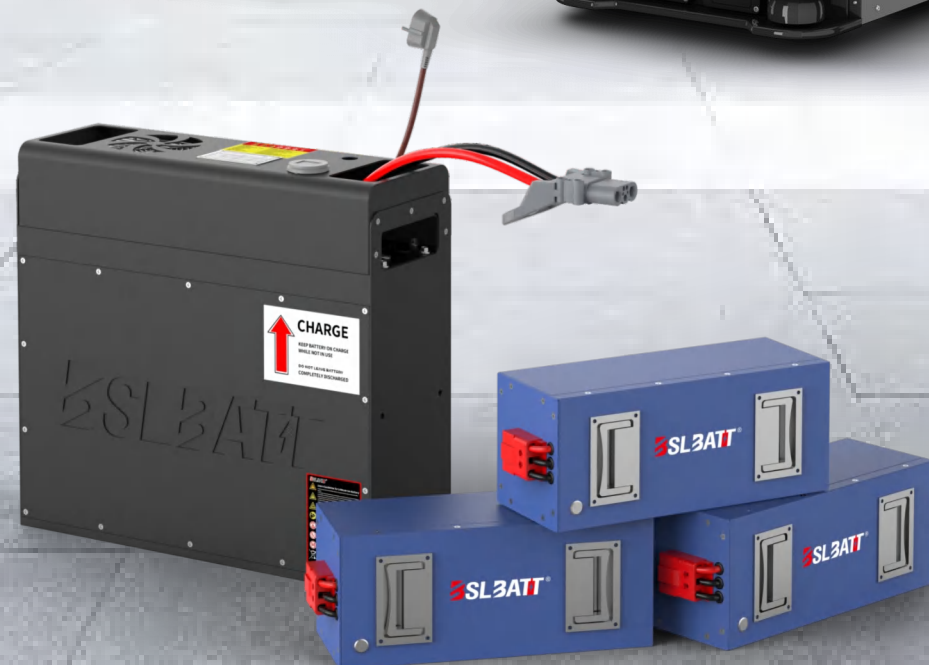


SOC display
Check power and fault prompts at any time



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

AGV



▶ PRODUCT LIST [ULTRA-THIN SERIES]

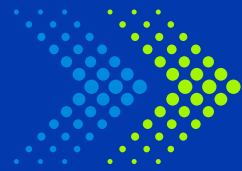
Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Energy (kWh)	Dimension(±2mm) Customizable L W H	Cycle Life
B-LFP12-50AGV	12.8	50	0.64	Customizable	≥4000@ 80%DOD
B-LFP24-50AGV	25.6	50	1.28	280 * 198.8 * 161	≥4000@ 80%DOD
B-LFP24-105AGV	25.6	105	2.68	376 * 319.2 * 160	≥4000@ 80%DOD
B-LFP36-75AGV	38.4	75	2.88	Customizable	≥4000@ 80%DOD
B-LFP48-67AGV	51.2	67	3.43	Customizable	≥4000@ 80%DOD
B-LFP48-105AGV	51.2	105	5.37	Customizable	≥4000@ 80%DOD
B-LFP60-50AGV	64	50	3.20	Customizable	≥4000@ 80%DOD
B-LFP60-105AGV	64	105	6.72	Customizable	≥4000@ 80%DOD
B-LFP72-105AGV	73.6	105	7.72	Customizable	≥4000@ 80%DOD
B-LFP96-105AGV	99.2	105	10.41	Customizable	≥4000@ 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
Storage (1 month) -4°F~131°F (-20°C ~ 55°C)	Storage (1 year) 32°F~95°F (0°C~35°C)	Optional Bluetooth

▶ APPLICATION VEHICLE

Automated Guided Vehicles (AGV)	Autonomous Mobile Robots
Tugger AGVs	AMR Tuggers
Unit Load AGVs	AMR Pallet Movers
Forklift AGVs	AMR Shelf/Cart Carriers
Pallet Truck AGVs	AMR Forklifts
Assembly Line AGVs	AMR Sortation robots
	AMR Conveyor Top Models



LIFEPO4 BATTERIES

For Agricultural equipment



Extremely high vibration and shock resistance



Continuous high current power output



Proprietary BMS with robust environmental protection



Ultra-long 5-year warranty



Optional heating system



Exclusive magnetic latching technology reduces standby power consumption by 150 times

AG



▶ 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-LFP24-72AG-B	25.6	72	1843	72	150	440*234*205	17.32*9.21*8.07	53 lbs (24 kg)	≥4500@ 80%DOD
B-LFP24-105AG-B	25.6	105	2688	105	250	370*330*228	14.57*12.99*8.98	84 lbs (38 kg)	≥4500@ 80%DOD
B-LFP24-105AG-A	25.6	105	2688	105	250	390*330*228	15.35*12.99*8.98	84 lbs (38 kg)	≥4500@ 80%DOD
B-LFP24-168AG-A	25.6	168	4301	168	300	520*350*235	20.47*13.78*9.25	121 lbs (55 kg)	≥4500@ 80%DOD
B-LFP24-205AG-A	25.6	205	5248	200	300	540*330*235	21.26*12.99*9.25	139 lbs (63 kg)	≥4500@ 80%DOD
B-LFP24-230AG-A	25.6	230	5888	200	300	540*330*235	21.26*12.99*9.25	146 lbs (66 kg)	≥4500@ 80%DOD
B-LFP48-72AG-B	51.2	72	3686	72	150	500*384*205	19.69*15.12*8.07	86 lbs (39 kg)	≥4500@ 80%DOD
B-LFP48-105AG-A	51.2	105	5376	105	250	600*330*255	23.62*12.99*10.04	114 lbs (52 kg)	≥4500@ 80%DOD
B-LFP48-168AG-A	51.2	168	8602	168	300	670*385*255	26.38*15.16*10.04	180 lbs (82 kg)	≥4500@ 80%DOD
B-LFP48-205AG-A	51.2	205	10496	200	300	760*420*255	29.92*16.54*10.04	202 lbs (92 kg)	≥4500@ 80%DOD
B-LFP48-230AG-A	51.2	230	11776	200	300	760*420*255	29.92*16.54*10.04	227 lbs (103 kg)	≥4500@ 80%DOD
B-LFP48-300AG-A	51.2	300	15360	200	300	700*275*340	27.56*10.83*13.39	286 lbs (130 kg)	≥4500@ 80%DOD
B-LFP48-410AG-A	51.2	410	20992	200	300	700*420*280	27.56*16.54*11.02	385 lbs (175 kg)	≥4500@ 80%DOD
B-LFP72-205AG-P	73.6	205	15088	200	300	Customize	/	297 lbs (135 kg)	≥4500@ 80%DOD
B-LFP72-230AG-P	73.6	230	16928	200	300	Customize	/	332 lbs (151 kg)	≥4500@ 80%DOD
B-LFP72-280AG-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)	CasingMaterial Iron

▶ APPLICATION VEHICLE

Agricultural sprayers	Electric sprayers	Electric agricultural transport vehicles
Agricultural transport vehicles / hopper carts	Electric orchard transport vehicles	Small electric tractors
Small electric seeders	Small agricultural trailers	Electric lawnmowers
Irrigation control systems	Electric pruning / harvesting platforms	Agricultural unmanned transport platforms (AGV)
Automatic feeding systems		Electric lifting / hydraulic systems

MOTIVE POWER ENERGY TRANSFORMATION ENABLER



Huizhou Factory



 Floor Area
20000 m²

 Number of Employees
300+

 Delivered Capacity
2Gwh

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.



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

