LIGHT MOTIVE POWER

Leading Global Lithium Battery Manufacturer





Tiktok

Youtube

Website

Global Headquarters

Building 2, Area D, Qunyi Intelligent Manufacturing Industrial Park, Tonghu Ecological Intelligence Zone, Zhongkai, Huizhou, Guangdong, China

www.lithium-battery-factory.com

U.S. Branch

BSL NEW ENERGY (USA) TECHNOLOGY CO,LTD

1036 Jacobson Road Suite #200, Garland TX 75042 USA

E-mail: sales@bslbattery.us

Call: +1(520)861-3970

www.bslbattery.us

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

E-mail: inquiry@bsl-battery.com

Call: +86-752-2819-469

www.bslbatt.co.za

Brazil Factory

BSL NEW ENERGY TECHNOLOGY BRASIL LTDA

Rua Vereador Oclesio Antonio Robustini Nº 146 Lote 12 quadra A – Marambaia SP – Vinhedo - São Paulo CEP 13287-012

E-mail: vendas@bsl-battery.com

Call: +5511 9 8896 0251

www.bslbatt.com.br

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

www.bslbatt.com.jp

Key contact: Sales Department:

+86-752-2819-469

E-mail:

inquiry@bsl-battery.com

Website:

www.bslbatt.com

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CATALOG

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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

2012

HUIZHOUWISDOM POWER TECHNOLOGY CO., LTD.

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

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.

2014

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.

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.

2020

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.

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.

2022

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.

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.

2024

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.

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).

2026

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.

ENTERPRISE QUALIFICATION



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

- We have obtained **70** invention patents and a utility model
- **5** software copyright.

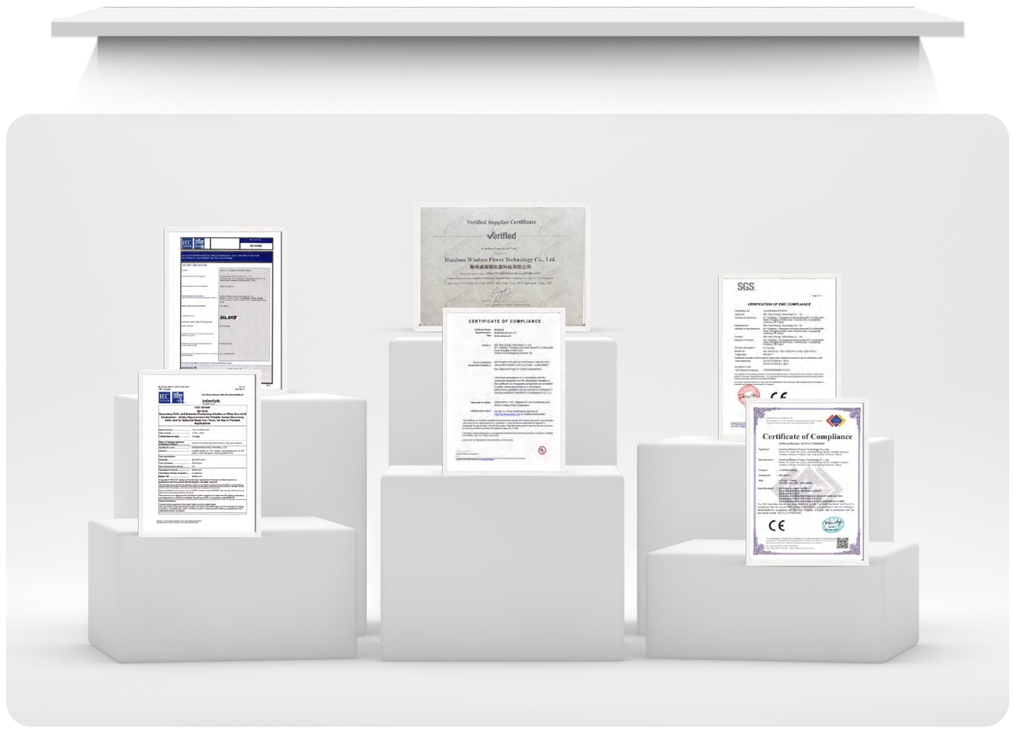


INSURANCE

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.

PICC
中国人民保险公司
The People's Insurance Company of China



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 LiFeP04 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 LiFeP04 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	
PURCHASE COST	$	$ $	$ $ +	$ $ $
INSTALLATION COST	$	$	$	$
MAINTENANCE COST	$ $ $	$	$	...
CHARGING COST	$ $ $ $ $	$ $ $ $ $	$ $ $ $ $	$ $
REPLACEMENT COST	$ $ $ $ $	$ $ $ $ $ +	$ $ $ $ $	...
REPLACEMENT LABOR	$ $ $	$ $ $ $	$ $ $	...
OF REPLACEMENTS	▬ ▬ ▬ ▬ ▬ ▬	▬ ▬ ▬ ▬ ▬ ▬ ▬ ▬	▬ ▬ ▬ ▬ ▬	...
CYCLE LIFE	↻ ↻ ↻	↻ ↻	↻ ↻ ↻	↻ ↻ ↻ ↻ ↻ +
TOTAL COST OVER LIFE	$ $ $ $ $	$ $ $ $ $ +	$ $ $ $ $	$ $

INTEGRATED SMART PDU + INTELLIGENT BMS

- **All-in-One Design**
- **Faster Maintenance**
- **Enhanced Reliability**

BSLBATT's integrated Smart PDU and Intelligent BMS architecture combines power distribution, battery protection, and smart monitoring into one compact system, delivering higher safety, reliability, and service efficiency for industrial applications.



Integrated Hardware Architecture

Combines PDU components, relays, sensors, protection devices, and BMS control into one integrated system for improved reliability.

Higher Reliability & Safety

Lowers after-sales failure rate by 30%, with optimized thermal design and validated EMC & vibration performance.

Simplified System Design

Reduces connector usage by 50%, improving stability and assembly efficiency.

5-Minute Modular Replacement



Enables fast component replacement, reducing downtime and maintenance costs.

Intelligent Protection & Monitoring

Provides multi-level protection, real-time voltage/current/temperature/SOC monitoring, and intelligent fault diagnostics.

Active Cell Balancing

Supports ±5A active balancing to improve cell consistency and extend battery life.

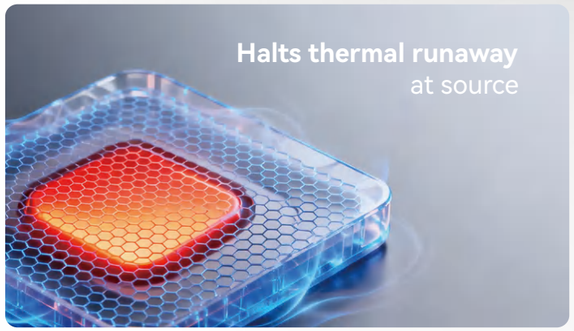
BATTERY FIRE SUPPRESSION SYSTEM



Prevents thermal runaway propagation and minimizes collateral damage.

Activation temperature:

170±10°C



Halts thermal runaway at source

Contains fires within single battery units



Prevents cascading damage to adjacent batteries / combustibles



KEY BENEFITS:

Reduces internal component destruction

Addresses critical lithium battery safety requirements (NFPA, IEC)

Meets insurer/fire department compliance thresholds

SMART IOT BATTERY MANAGEMENT

Connected · Intelligent · Efficient

Bluetooth®





Bluetooth Standard

Real-time battery monitoring via mobile app



Optional 4G Connectivity

Remote monitoring, diagnostics & cloud management



Optional GPS Tracking

Fleet visibility and equipment location management



Smart Data Analytics

Usage insights, charging history & battery health monitoring



SL3ATT®

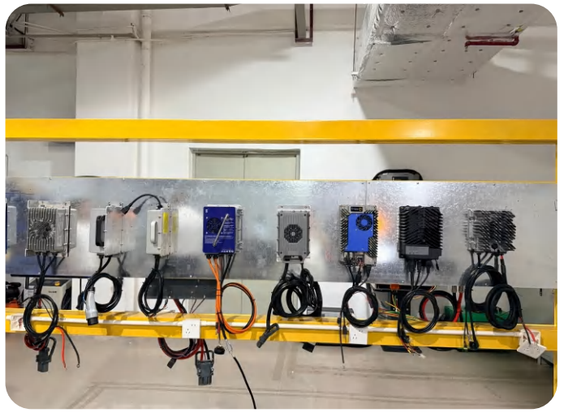
OFFICIAL COMPATIBILITY: SPE & DELTA-Q

Plug & Play Charging Compatibility

Compatible with leading SPE and Delta-Q chargers, enabling seamless lithium upgrade without additional charger investment.

delta-q TECHNOLOGIES

S.P.E. ELETTRONICA INDUSTRIALE



IP67 INDUSTRIAL PROTECTION

Built for Harsh Working Conditions

Waterproof & dustproof design
Salt spray corrosion resistance
Reliable performance in outdoor environments
Ideal for marine, golf cart, cleaning machine & industrial applications



PROFESSIONAL INSURANCE PROTECTION

PICC Insurance Coverage Up to US$650,000

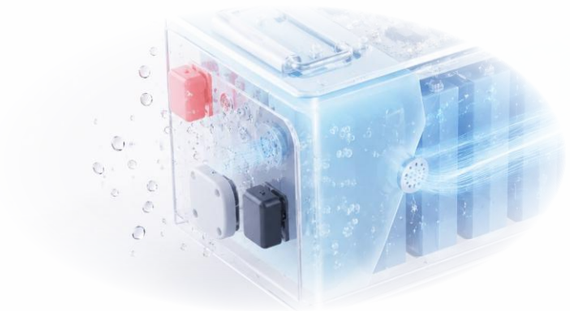
Global risk protection for customers
Enhanced confidence for OEM & fleet applications
Professional product liability coverage

PICC

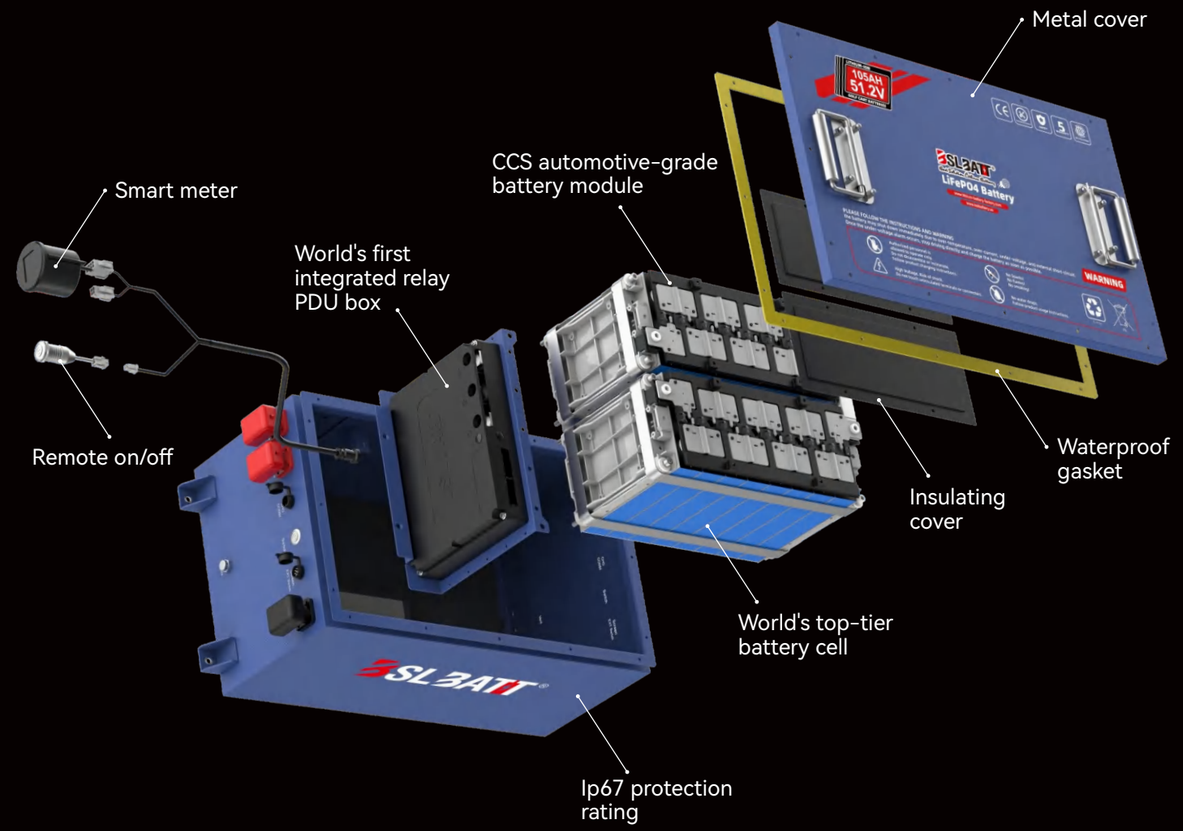
NANO BREATHING TECHNOLOGY

Prevent Internal Condensation. Extend Battery Life.

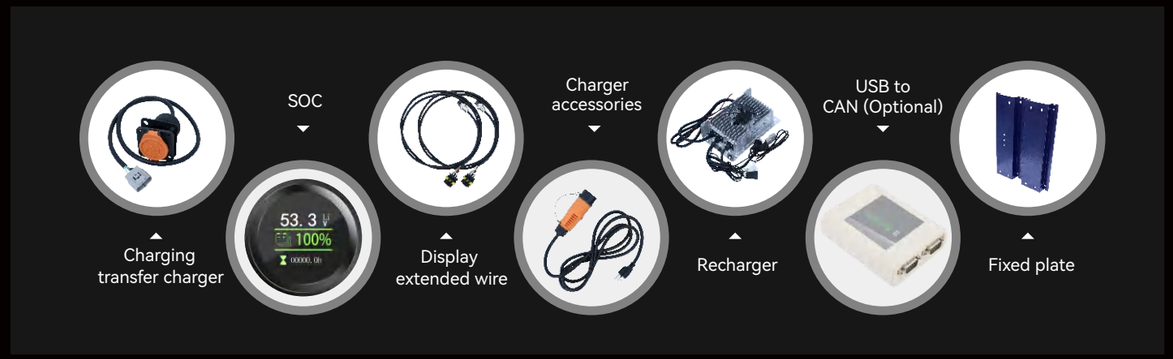
Maintains pressure balance
Reduces moisture accumulation
Protects internal electronics
Designed for 10-year worry-free operation



GOLF CART & LOW-SPEED VEHICLE BATTERY SOLUTIONS



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	88 lbs (40kg)	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	128 lbs (58kg)	168	336	470	6451	24.41*13.39*10.04	620*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	108 lbs (49kg)	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	109 lbs (49.5kg)	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	159 lbs (72kg)	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	190 lbs (86kg)	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	194 lbs (88kg)	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	153 lbs (69.5kg)	105	210	315	7728	26.77*16.06*8.98	680*408*228	≥4500@ 80%DOD	50-60 miles (80-97 km)
B-LFP72-168GC-P	73.6	168	234 lbs (106kg)	168	336	470	12365	35.43*16.06*9.25	900*408*235	≥4500@ 80%DOD	85-100 miles (137-161 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)	**Casing Material** 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).

AERIAL WORK PLATFORM (AWP) BATTERY SOLUTIONS

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

AWP





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	46.30 lbs (21kg)	≥4500@ 80%DOD
B-LFP24-105AWP-B	25.6	105	2688	105	250	370*330*270	14.57*12.99*10.63	61.73 lbs (28kg)	≥4500@ 80%DOD
B-LFP24-105AWP-A	25.6	105	2688	105	250	370*330*270	14.57*12.99*10.63	62.83 lbs (28.5kg)	≥4500@ 80%DOD
B-LFP24-168AWP-A	25.6	168	4301	168	300	520*330*275	20.47*12.99*10.83	88.18 lbs (40kg)	≥4500@ 80%DOD
B-LFP24-205AWP-A	25.6	205	5248	200	300	540*330*275	21.26*12.99*10.83	105.82 lbs (48kg)	≥4500@ 80%DOD
B-LFP24-230AWP-A	25.6	230	5888	200	300	540*330*275	21.26*12.99*10.83	108.03 lbs (49kg)	≥4500@ 80%DOD
B-LFP48-300AWP-P	51.2	300	15360	200	300	740*275*340*(2)	29.13*10.83*13.39*(2)	/	≥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	

FLOOR CLEANING & INDUSTRIAL SCRUBBER BATTERY SOLUTIONS

Zero maintenance

0 noise

Charge at any time

No pollution

Save up to 70% in 5 years

FM





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	46.30 lbs (21kg)	≥4500@ 80%DOD	MOS
B-LFP24-105FM-B	25.6	105	2688	52.5	150	370*330*270	14.57*12.99*10.63	61.73 lbs (28kg)	≥4500@ 80%DOD	MOS
B-LFP24-150FM-B	25.6	150	3840	75	150	530*330*238	20.87*12.99*9.37	83.78 lbs (38kg)	≥4500@ 80%DOD	MOS
B-LFP24-205FM-B	25.6	205	5248	102	205	540*330*275	21.26*12.99*10.83	103.62 lbs (47kg)	≥4500@ 80%DOD	MOS
B-LFP36-72FM-B	38.4	72	2765	36	144	370*384*245	14.57*15.12*9.65	66.14 lbs (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	82.67 lbs (37.5kg)	≥4500@ 80%DOD	MOS
B-LFP36-150FM-B	38.4	150	5760	75	150	540*420*238	21.26*16.54*9.37	106.92 lbs (48.5kg)	≥4500@ 80%DOD	MOS
B-LFP36-205FM-B	38.4	205	7872	102	205	540*410*275	21.26*16.14*10.83	145.51 lbs (66kg)	≥4500@ 80%DOD	MOS
B-LFP36-280FM-B	38.4	280	10752	150	205	640*540*420	25.20*21.26*16.54	/	≥4500@ 80%DOD	MOS
B-LFP36-300FM-B	38.4	300	11520	150	205	640*540*420	25.20*21.26*16.54	/	≥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

ABS CASE
LITHIUM 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)	Max Discharge	L W H MM	L W H Inches
B-LFP12-100	12.8	100	1280	100	100	339.7*184.9*218.5	13.37*7.28*8.60
B-LFP12-120	12.8	120	1530	100	100	307*168*212	12.09*6.61*8.35
12-100 DIN Low Box	12.8	100	1280	100	100	354*176*190	13.94*6.93*7.48
12-150 DIN Low Box	12.8	150	1920	100	100	354*176*190	13.94*6.93*7.48
B-LFP12-150	12.8	150	1920	150	150	332*172*218	13.07*6.77*8.58
B-LFP12-200	12.8	200	2560	200	200	502*186*238.5	19.76*7.32*9.39
B-LFP12-200	12.8	200	2560	200	200	384*194*248	15.12*7.64*9.76
B-LFP12-300	12.8	304	3890	200	200	368*188*245	14.49*7.40*9.65
B-LFP12-314	12.8	314	4090	200	200	384*194*248	15.12*7.64*9.76
B-LFP12-460	12.8	460	5880	200	200	524*245*220	20.63*9.65*8.66
B-LFP24-50	25.6	52	1330	50	50	329*172*219.9	12.95*6.77*8.66
B-LFP24-100	25.6	100	2560	100	100	521*243*222.3	20.51*9.57*8.75
B-LFP24-150	25.6	150	3840	100	100	521*243*222.3	20.51*9.57*8.75
B-LFP24-200	25.6	206	5270	100	200	520*268*219	20.47*10.55*8.62
B-LFP36-60	38.4	60	2300	60	50	485.3*169*239	19.11*6.65*9.41
B-LFP36-100	38.4	100	3840	100	100	520*268*219	20.47*10.55*8.62

MARINE AND RV SYSTEMS

Model	B-LFP48-100Pro	**Communication protocol**	Rs485 / CAN
Nominal Voltage	51.2V	**Protocols**	Victron, Deye
Typical Capacity	100 Ah	**Weight**	41 Kg
Energy	5120Wh	**Dimension (L*W*H)**	521*267*240(+2)mm
Continuous discharge	100A	**Cycle**	≥3500@ 80%DOD (0.5C,25°C)
Max discharge	200A(10s)	**Parallel Connection**	Supports up to 16 units connected in parallel (busbar required). Series connection is not supported.

MARINE & ULTRA-THIN RV & CAMPER BATTERY SOLUTIONS

- Bluetooth
- High-rate discharge
- Victron compatible
- 3,000 cycles
- Ip67 Protection - Salt spray resistance
- Heating

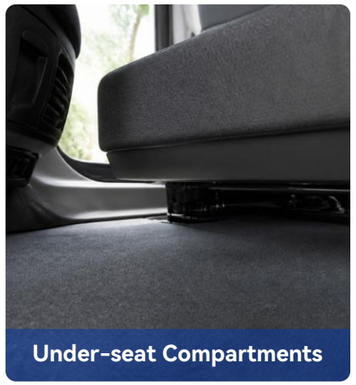


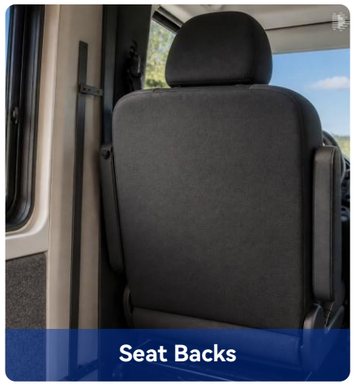
ABS LFP BATTERY | RV & MARINE | HIGH RATE | IP67 | BT + HEATING

Model	L W H MM	Weight (KG)	Voltage	Capacity (Ah)	Continuous Discharge	Maximum Discharge (5S)	Pulse Discharge (1S)
B-LFP12-100	354*176*189	12	12.8	100	100	150	300
B-LFP12-105	280*178*188	12	12.8	105	100	150	300
B-LFP12-120	315*176*189	13	12.8	120	150	180	450
B-LFP12-150	359*178*188	15	12.8	150	150	225	450
B-LFP12-200	353*350*188	25	12.8	200	200	300	600
B-LFP12-300	353*350*188	29	12.8	300	200	300	600

FLEXIBLE SPACE-SAVING INSTALLATION

Designed for RVs and camper vans, the ultra-slim lithium battery can be installed in space-limited areas such as under-seat compartments, seat backs, and roof storage boxes, maximizing available space while providing reliable off-grid power.


Under-seat Compartments


Seat Backs


Roof Storage Boxes

Model	Nominal Volt (V)	Capacity (AH)	Total Energy (KWH)	L W H MM	Communication
B-LFP12-100S	12.8	100	1.28	600*270*110	Victron / Deye
B-LFP12-200S	12.8	200	2.56	850*275*110	Victron / Deye

AGV / AMR AUTOMATION BATTERY SOLUTIONS

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 [ULTRA-THIN SERIES]

Model	Nominal Voltage (V)	Nominal Capacity (Ah)	Nominal Energy (Wh)	Dimension(±2mm) Customizable L W H	Cycle Life
B-LFP12-50AGV	12.8	50	640	Customizable	≥4000@ 80%DOD
B-LFP24-50AGV	25.6	50	1280	280*198.8*161	≥4000@ 80%DOD
B-LFP24-105AGV	25.6	105	2688	376*319.2*160	≥4000@ 80%DOD
B-LFP36-75AGV	38.4	75	2880	Customizable	≥4000@ 80%DOD
B-LFP48-67AGV	51.2	67	3430	Customizable	≥4000@ 80%DOD
B-LFP48-105AGV	51.2	105	5376	Customizable	≥4000@ 80%DOD
B-LFP60-50AGV	64	50	3200	Customizable	≥4000@ 80%DOD
B-LFP60-105AGV	64	105	6720	Customizable	≥4000@ 80%DOD
B-LFP72-105AGV	73.6	105	7728	Customizable	≥4000@ 80%DOD
B-LFP96-105AGV	99.2	105	10416	Customizable	≥4000@ 80%DOD

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)**	**Optional**
-4°F~131°F (-20°C ~ 55°C)	32°F~95°F (0°C~35°C)	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 obots
	AMR Conveyor Top Models

AGRICULTURAL & FARM EQUIPMENT BATTERY SOLUTIONS

- 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



SL3ATT

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)	**Casing Material** 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

LIGHTWEIGHT PORTABLE POWER STATION

Compact yet powerful, it delivers reliable energy for outdoor adventures, road trips, and home emergencies — powering devices from phones and laptops to small appliances like refrigerators and fans.

Applications

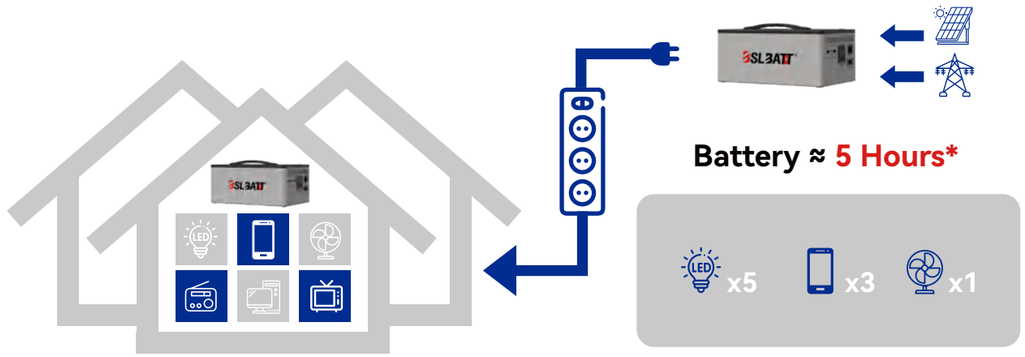
Home Backup

Outdoor Camping

Outdoor Rescue

RV Travel





Model	Energipak 1000	**Battery Type**	LiFePO4
Cell & Metheod	1S1P	**Nominal Voltage(V)**	3.2
Nominal Capacity(Wh)	1004.8	**Usable Capacity(Wh)**	904.3
Rated Power	200VA/200W	**Grid Mode Spec（Input)**	AC 176~264 VAC, 50/60 HZ, 1.5A (Max)
PV Matrix MPPT Spec(Input)	12~36 VDC, 10A(Max)	**Inverter Mode Spec(Output)**	Sine wave, 176VAC~230VAC ±5%，50/60Hz
DC Output	Type-C*1: 5V3A/9V2A, Max 18W USB-A*2: 5V2A, Max 10W	**Battery Level Display**	4 Green LEDs
Fault Indicator	1 red LED	**Charging Temperature**	0~60℃
Discharging Tempearture	-20~60℃	**Storage Temperature**	-20~45℃
Cooling Type	Air-cooled (Fan*2)	**Dimension(mm) (W*H*D)**	295*210*135
Weight(Kg)	8.94	**Protection Level**	IP20
Cycle Life	> 8000		

ENERGIPAK 3840
PORTABLE POWER STATION

A portable trolley-style energy solution built for emergencies, outdoor adventures, and mobile power needs. Energipak 3840 provides reliable backup power for extreme weather, rolling outages, off-grid applications, RVs, UPS systems, and EV support.

Applications

- **Whole-Home Backup Power**
- **Off-Grid Residences**
- **Heavy-Duty RVs / Mobile Homes**
- **Commercial & Event Power**
- **Professional Operations / Construction Sites**



3.8H
Juice Extractor

25.6H
Car Refrigerator

6.4H
Coffee Maker

38.4H
Projector

533 Recharges
Camera

54 Recharges
MacBook14

311 Recharges
Iphone 13

426 Recharges
Drone

Model	Energipak 3840	**Charging Modes**	AC Charging Solar Charging (MPPT) Car Charging
Capacity	3840Wh	**AC Output**	3300W Max (JP Standard) 3600W Max (USA & EU Standard)
Cell Spec	EVE Brand LiFePO4 Battery #40135	**Input Power**	Adjustable by Knob 300W/600W/900W/1200W/1500W
Cycles Life	≥4000	**LED Light**	3W*1
Dimensions & Weight	630*313*467 mm 40Kg	**UPS Mode**	Switchover Time < 10ms
AC Charging Time	3 Hours (1500W Input Power)	**Cigar Output**	12V/10V*1
USB Output	QC 3.0*2 (USB-A) PD 30W*1 (Type-C) PD 100W*1 (Type-C)	**Working Tempearture**	-10℃~45℃







MOBILE ENERGY STORAGE SYSTEM

M-Power S30/69 is a clean and intelligent alternative to traditional diesel generators. Equipped with a 30 kW hybrid inverter and 69 kWh $LiFePO_4$ battery, it supports solar PV, grid, and hybrid charging for reliable power anytime, anywhere. Ideal for emergency backup, field operations, and mobile EV charging, it delivers silent, emission-free energy wherever it's needed.

Applications

- Construction Sites
- Ranch Water Pumping
- Emergency Backup Power
- Farm Irrigation



Model	M-Power S30/69
Battery Parameters	
Cell Chemistry	Lithium Iron Phosphate (LiFePO4)
Cell Capacity	3.2V/150Ah
Configuration	1P24S*6S (1P144S)
Rated Power	69.12kWh
Rated Charge/Discharge Power	0.5P (25±2℃)
Max. Charge/Discharge Current	150A (25±2℃)
Rated Voltage	460.8V
Operating Voltage Range	403.2V~518.4V
PV Parameters（Optional）	
Max. Power	38.4kW+38.4kW
PV Start-Up Voltage	250V
MPPT Voltage Range	200V ~ 830V
Max. PV Current	64A + 64A
MPPT Route	2
PCS Parameters	
Rated AC Power	31kW
Max. DC Current	150A
DC Voltage Range	DC 420V~850V
Rated AC Voltage	AC208V / 120V, 3W+N+PE
Rated AC Current	87A
Rated AC Frequency	50Hz / 47Hz ~ 52Hz (60Hz / 57Hz ~62Hz)
Power Factor Adjustable Range	-1~1
THDI	< 3%
Overload Capacity	110%, 100S
External Interface	
125A Three-Phase Quick Connector	3
16A Single-Phase Outlet	2
125A DC Charging Port	1
DCoutput(optional)	
20kW DC Charger	1
General Parameters	
Operating Humidity	10% ~ 90% RH (No Condensation)
Operating Temperature	-20℃ to 55℃ (Derating at >45℃)
Storage Temperature	0℃~35℃
Altitude	3000m (>2000m Derating)
Cooling Method	Intelligent Air Cooling
Communication Protocol	RS485 / CAN / RJ45 / DRY / WiFi / 4G
Isolation Method	Non-isolated
Protection Level	IP55
Dimension (W*D*H)	1060*1400*1030 (±5mm)
Weight	1012Kg±3%

Model	M-Power S60/125
Battery Parameters	
Battery Type	Lithium Iron Phosphate (LFP)
Cell Capacity	3.2V/205 Ah
Configuration	1P32S x 6S (1P192S)
Rated Energy	125.9kWh
Rated Charge / Discharge Power	0.5P(25±2°C)
Max Charge / Discharge Current	200A(25±2°C)
Rated Voltage	614.4V
Operating Voltage Range	537.6V-672.0V
PV Side Parameters	
Max Input Power	108kW
Start-up Voltage	180V
Operating Voltage Range	150V-950V
Max Input Current	40Ax4
Max Input Short-circuit Current	60Ax4
Number of MPPT Trackers	4(2+2+2+2)
PCS Side Parameters	
Rated Power	60kW
Max DC Current	160A
DC Operating Voltage Range	DC150-950V
Rated AC Voltage	AC380/400V,3W+PE/3W+N+PE
Rated AC Current	86.6A
Rated AC Frequency	50/60Hz(±5Hz)
Power Factor	0.8 leading - 0.8 lagging
THDI	<3%
Overload Capacity	110% -continuous; 140% - 10s
External Interfaces	
125 A Three-phase Aviation Connector	3
16 A Single-phase Socket	2
125 A DC Charging Socket	1
DC Output (OPTIONAL)	20kW Charger x 1
General Parameters	
Operating Humidity	10-90% RH (non-condensing)
Operating Temperature	-20°C to 55°C (derating above 45°C)
Storage Temperature	0°Cto 35°C
Altitude	3000m (derating above 2000 m)
Cooling Method	Intelligent air cooling
Fire Suppression	Aerosol fire extinguishing systemOPTIONAL
Communication	RS485 / CAN / Ethernet / Wi-Fi/4G/ DRY
Isolation Type	Non-isolated
Protection Rating	IP55
Dimensions (W x D x H, mm)	1550 x 1200 x 1300 (±5 mm)
Weight	1500kg ±3%
Warranty	5 years

Model	M-Power S125/261
Battery Parameters	
Battery Type	Lithium Iron Phosphate (LFP)
Cell Capacity	3.2V/314Ah
Configuration	1P52S*5S (1P240S)
Rated Energy	261.2 kWh
Rated Charge/Discharge Power	0.5P (25+2°C)
Max Charge/Discharge Current	200A (25+2°C)
Rated Voltage	768V
Operating Voltage Range	672.0V~840V
PV Side Parameters	
Rated Power	125 kW
Max DC Current	203A
DC Side Operating Voltage Range	DC615~950V (3W+PE)/DC650~950V (3W+N+PE)
Rated AC Voltage	AC230/400V, 3W+PE/ 3W+N+PE
Rated AC Current	180A
Rated AC Frequency	50/60Hz (+5Hz)
Power Factor	1 leading~1 lagging
THDI	<3%
Overload Capability	110%, normal operation
External Interfaces	
200A Three-Phase Power Box	3
16A Single-Phase Socket	2
125A DC Charging Socket	1
DC Output (Optional)	
20kW Charger	1
General Parameters	
Operating Temperature	10~90% RH (non-condensing)
Operating Humidity	-20°C~55°C (>45°C derating)
Storage Temperature	0°C~35°C
Altitude	3000m (>2000m derating)
Cooling Method	Intelligent air cooling + liquid cooling
Fire Protection	Aerosol fire extinguishing device (optional)
Communication	RS485 / CAN / Ethernet / Wi-Fi/ 4G / Dry contact
Isolation Type	Non-isolated
Protection Class	IP55
Dimensions (W*D*H, mm)	2000*1300*1560 (+5)
Weight (kg)	2500kg
Warranty	5 years

MANUFACTURING & FACTORY OVERVIEW

Huizhou Factory



Floor Area
20000 m^2

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.



