THE PROVEN LEADER

in Lithium-ion Motive Power Battery

Facebook Website Tiktok

BSL NEW ENERGY TECHNOLOGY CO., LTD

www.lithiumforkliftbattery.com

Call: +86-752-2819-469

E-mail: inquiry@bsl-battery.com

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E-mail: inquiry@bsl-battery.com

Address: Northriding Commercial Park, 251 Aintree Ave, Northriding, Randburg, 2169, South Africa



BSLBATT®

China Is No. 1 in Exporting LiFEPO4 Forklift:

Battery For The Replacement Of Lead-acid Battery Market

Li-ION LiFePO4 Battery

www.lithiumforkliftbattery.com

Business Card Binding Position

Fast & Opportunity Charge

Heating Function Optional

IP65 Protection

8-year Warranty

Built-in Automatic **Fire Suppression System**

LiFePO4 Batteries
for Material Handling Equipment



Development Path

2024

Opened a new automated, modern factory in Huizhou (**2 GWh annual capacity**).

Established a new factory in Ma'anshan, Anhui (**1 GWh annual capacity**).
Launched a full range of commercial & industrial energy storage products.

Set up a warehouse and office in Mexico.

Secured **$53.2 million** in angel investment.

2025

Production capacity has been increased to 3GWh.

Expected sales to reach **$81.6 million USD**

Established a branch and office in Japan, as well as a company in Malaysia and a branch in Brazil.

Certified as a "**Specialized, Refined, Differentiated, and Innovative**" Enterprise.

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

2026

Planned public listing on the Beijing Stock Exchange.

Expected sales to reach **$108 million USD.**

Deployed **160 dealers** globally.

Global workforce expanded to over **400 employees**.

Sustainably Developing

2023

Over 90,000 solar batteries installed in homes worldwide.

Over 10,000 power batteries operating globally.

Surpassed **$43.2 million** in sales revenue.

Opened a European office and warehouse.

Obtained National High-Tech Enterprise certification.

2020

Established a 2,000 sq ft warehouse & office in Dallas, Texas, USA.

Products certified to **UL 1973, UL 2580, IEC, Australia CEC,** and other international standards.

Foreign trade sales exceeded $20 million.

2018

Established a lithium battery factory in Dongguan (6,000 sq m production area).

Launched 1st rack-mounted & wall-mounted home battery models; **sold 7,000+ units overseas.**

Developed 1st gen power battery modules; **lithium power business unit grew rapidly.**

Foreign trade sales exceeded $12 million.

2011

Company founded (formerly known as **WISDOM INDUSTRIAL POWER CO., LIMITED**, now **BSL NEW ENERGY (HONGKONG) CO., LIMITED**).

2012

Lead-acid battery business expanded.

Foreign trade sales exceeded $2 million.

2013

First lithium battery factory in Anhui began bulk shipments (**12V/24V for lead-acid replacement**).

Introduced forklift lithium battery technology.

Foreign trade sales exceeded $3 million.

2014

Energy Storage division expanded (**48V/51.2V products**).

Volume shipments grew for telecom and UPS sectors.

Foreign trade sales exceeded $4 million.

14+ Years Lithium Experience

UL2580 The First Company in China to Obtain Certification

Top 1 China Forklift Lithium Battery Supplier

40,000 Lithium Batteries Deployed Worldwide

3 GWH+ Total Annual Production Capacity (All Product Lines)

160+ Countries Global Deliveries

141+ Self-developed Patents

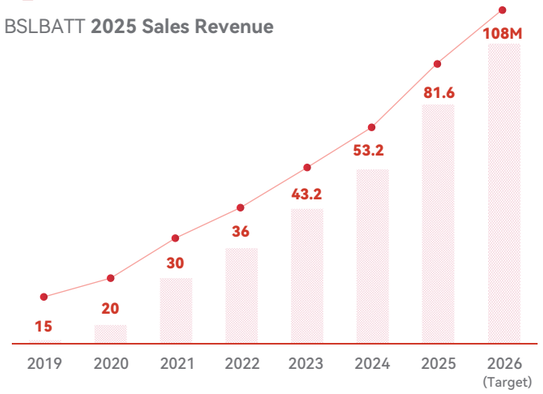
6.2% Continuous R&D Investment

Large Supermarket Cold Storage Preferred China Forklift Lithium Battery Supplier

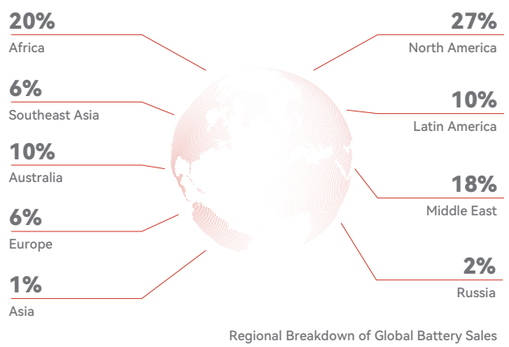
The Power
Behind The Forklift

$81.6 million

BSLBATT **2025 Sales Revenue**



Overseas sales account for a significant portion of BSLBATT's sales revenue. **90%**



Regional Breakdown of Global Battery Sales



100+

We have obtained 100 invention patents and a utility model

41+

Software copyright.

CE IEC UN38.3 transportation safety cerification UL Sedex ISO 9001 ISO 14001 CNAS

PICC Product liability insurance underwritten by PICC, China's leading property insurer



End-to-End Electrification. Engineered for Industry.

Leverage our deep expertise in new energy to electrify your operations. We deliver end-to-end solutions that make your technological upgrade straightforward and effective.

Our Expertise:

- **Vehicle & Industrial Batteries**
  (Low-Speed Vehicles, Industrial Machinery)
- **Specialized Application Systems**
  (Off-Highway, Emerging Fields)
- **Complete Energy Storage**
  (Residential, Commercial & Industrial, Mobile)
- **Critical Components**
  (Motors, Controllers, Chargers)



Maximum Uptime. Minimum Cost. Proven LFP Performance.

A seamless transition from lead-acid to lithium-ion delivers a rapid ROI through increased uptime and operational efficiency.



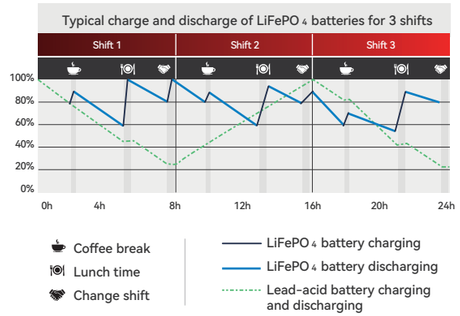
Benefits of Lithium-ion Batteries

Lead-acid	LiFePO4 Battery		
3 years design life	Up to 10 years design life	**Longer life** 3 to 4 times lead-acid lifespan	·Reduces overall battery investment ·Eco-friendly ·Minimize the need for spares
Frequent maintenance	No maintenance	**0 maintenance** No need for regular filling of distilled water and electrolytes	·No regular filling of distilled water ·Saving costs on labor and maintenance ·Less unplanned downtime and improved productivity ·No frequent battery replacements
1–2 years warranty	8 years warranty	**Extended warranty** bring you peace of mind	·Durable and reliable ·Reduces maintenance and labor costs ·Quality guarantee

Optimize equipment reliability.

The battery can be topped up during natural breaks in the workday—like rest periods or shift rotations. This ability effectively turns downtime into productive time.

- **Enables opportunity charging** during idle moments.
- **Reduces full-cycle dependency**, preserving battery health.
- **Cuts battery swap needs** and associated labor.
- **Eliminates swap-related safety risks.**



High-Speed Charging

From single-shift operations to 24/7 fleets, fast charging remains a key advantage.



TIPS

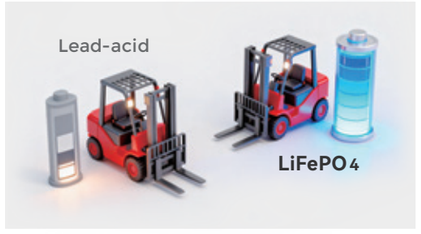
Why LiFePO4 batteries are the preferred choice for demanding industrial applications.

Among lithium-ion chemistry, Lithium Iron Phosphate (LFP) stands out for its superior thermal stability and safety. BSLBATT utilizes this robust chemistry, making it an ideal choice for demanding industrial applications.

LFP (LiFePO4) batteries outperform traditional lead-acid in every key aspect: longer life, higher energy density, greater stability, and a more compact, lightweight design. As sealed, maintenance-free units, they eliminate the need for watering or weekly upkeep, making them the ideal power source for industrial applications.

Steady Power Output

Lithium-ion batteries deliver peak performance throughout the entire shift, ensuring sustained productivity from start to finish.



Free up space and labor by eliminating both the charging room and battery swaps.

- **Slash spare parts inventory** and associated maintenance.
- **Eliminate** the extra cost and bulk of lead-acid battery banks.
- **Prevent** hazards: no charging gases, acid leaks, or need for ventilation.



24V system

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
B-LFP24-100MH	25.6V	100Ah	2.56kWh	Support Customized	1P*8S*1	42kg(88.18lbs.)	Steel	IP54 (IP65 optional)
B-LFP24-135MH		135Ah	3.46kWh		1P*8S*1	62kg(136.69lbs.)		
B-LFP24-205MH		205Ah	5.25kWh		1P*4S*2	80kg(176.37lbs.)		
B-LFP24-230MH		230Ah	5.89kWh		1P*8S*1	85kg(187.39lbs.)		
B-LFP24-280MH		280Ah	7.17kWh		1P*8S*1	97kg(213.85lbs.)		
B-LFP24-304MH		304Ah	7.78kWh		1P*8S*1	102kg(224.87lbs.)		
B-LFP24-410MH		410Ah	10.50kWh		2P*4S*2	142kg(313.06lbs.)		
*B-LFP24-460MH		460Ah	11.78kWh		2P*4S*2	156kg(343.92lbs.)		
B-LFP24-560MH		560Ah	14.34kWh		2P*4S*2	181kg(399.04lbs.)		
B-LFP24-608MH		608Ah	15.56kWh		2P*4S*2	190kg(418.88lbs.)		
B-LFP24-615MH		615Ah	15.74kWh		3P*4S*2	191kg(421.08lbs.)		
B-LFP24-690MH		690Ah	17.66kWh		3P*4S*2	210kg(462.97lbs.)		
B-LFP24-840MH		840Ah	20.99kWh		3P*2S*4	244kg(537.93lbs.)		
B-LFP24-920MH		920Ah	23.55kWh		4P*2S*4	270kg(595.25lbs.)		
B-LFP24-1120MH		1120Ah	28.67kWh		4P*2S*4	317kg(698.87lbs.)		

36V system

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
B-LFP36-173MH	38.4V	173Ah	6.64kWh	Support Customized	1P*12S*1	108kg(238.10lbs.)	Steel	IP54 (IP65 optional)
B-LFP36-205MH		205Ah	7.87kWh		1P*12S*1	122kg(268.96lbs.)		
B-LFP36-230MH		230Ah	8.83kWh		1P*12S*1	129kg(284.40lbs.)		
B-LFP36-280MH		280Ah	10.752kWh		1P*6S*2	148kg(326.28lbs.)		
B-LFP36-304MH		304Ah	11.67kWh		1P*6S*2	155kg(341.72lbs.)		
B-LFP36-346MH		346Ah	13.29kWh		2P*4S*2	171kg(376.99lbs.)		
B-LFP36-410MH		410Ah	15.744kWh		2P*4S*3	204kg(449.74lbs.)		
B-LFP36-460MH		460Ah	17.664kWh		2P*4S*3	219kg(482.81lbs.)		
B-LFP36-560MH		560Ah	21.504kWh		2P*4S*3	261kg(575.41lbs.)		
*B-LFP36-608MH-A		608Ah	23.347kWh		2P*4S*3	420kg(925.94lbs.)		
*B-LFP36-608MH-B		608Ah	23.347kWh		2P*4S*3	320kg(705.48lbs.)		
B-LFP36-615MH		615Ah	23.616kWh		3P*4S*3	281kg(619.50lbs.)		
B-LFP36-690MH		690Ah	26.496kWh		3P*4S*3	301kg(663.59lbs.)		
B-LFP36-820MH		820Ah	31.488kWh		2P*4S*6	344kg(758.39lbs.)		
*B-LFP36-920MH		920Ah	35.328kWh		4P*2S*6	403kg(888.46lbs.)		
B-LFP36-1120MH		1120Ah	43.01kWh		4P*2S*6	481kg(1060.42lbs.)		

48V system

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
B-LFP48-205MH	51.2V	205Ah	10.50kWh	Support Customized	1P*8S*2	145kg(319.67lbs.)	Steel	IP54 (IP65 optional)
B-LFP48-230MH		230Ah	11.78kWh		1P*8S*2	154kg(339.51lbs.)		
B-LFP48-280MH		280Ah	14.336kWh		1P*8S*2	179kg(394.63lbs.)		
B-LFP48-304MH		304Ah	15.565kWh		1P*8S*2	190kg(418.88lbs.)		

48V system

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
B-LFP48-410MH	51.2V	410Ah	20.992kWh	815*540*400	2P*4S*4	366kg(806.89lbs.)	Steel	IP54 (IP65 optional)
*B-LFP48-460MH		460Ah	23.552kWh		2P*4S*4	372kg(820.12lbs.)		
B-LFP48-560MH-A		560Ah	28.672kWh	815*668*400	2P*4S*4	477kg(1051.60lbs.)		
*B-LFP48-608MH-A		608Ah	31.13kWh		2P*4S*4	487kg(1073.65lbs.)		
B-LFP48-560MH-B		560Ah	28.672kWh	748*612*595	2P*4S*4	383kg(844.37lbs.)		
*B-LFP48-608MH-B		608Ah	31.13kWh		2P*4S*4	393kg(866.42lbs.)		
*B-LFP48-615MH		615Ah	31.488kWh	815*770*400	3P*4S*4	537kg(1183.88lbs.)		
B-LFP48-690MH		690Ah	35.328kWh		3P*4S*4	547kg(1205.93lbs.)		
B-LFP48-820MH		820Ah	41.984kWh	Support Customized	4P*4S*4	468kg(1031.76lbs.)		
B-LFP48-920MH		920Ah	47.104kWh		4P*2S*8	527kg(1161.84lbs.)		
B-LFP48-1120MH		1120Ah	57.344kWh		4P*2S*8	629kg(1386.71lbs.)		

72V system

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
B-LFP72-410MH	76.8V	410Ah	31.488kWh	Support Customized	3P*4S*6	417kg(919.33lbs.)	Steel	IP54 (IP65 optional)
B-LFP72-460MH		460Ah	35.328kWh		3P*4S*6	448kg(987.67lbs.)		
B-LFP72-560MH		560Ah	43.008kWh		2P*4S*6	516kg(1137.59lbs.)		
B-LFP72-615MH		615Ah	47.23kWh		3P*4S*6	558kg(1230.18lbs.)		
B-LFP72-690MH		690Ah	52.99kWh		3P*4S*6	639kg(1408.76lbs.)		

80V system

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
B-LFP80-205MH	83.2V	205Ah	17.06kWh	Support Customized	1P*8S*2+1P*10S*1	204kg(449.74lbs.)	Steel	IP54 (IP65 optional)
B-LFP80-230MH		230Ah	19.14kWh		1P*8S*2+1P*10S*1	220kg(485.02lbs.)		
B-LFP80-280MH		280Ah	23.296kWh		1P*4S*6+1P*2S*1	284kg(626.11lbs.)		
B-LFP80-304MH		304Ah	25.293kWh		1P*4S*6+1P*2S*1	322kg(709.89lbs.)		
B-LFP80-410MH	80V	410Ah	32.8kWh	1015*630*400	3P*4S*6+3P*2S*1	528kg(1164.04lbs.)		
*B-LFP80-460MH		460Ah	36.8kWh		2P*4S*6+3P*2S*1	538kg(1186.09lbs.)		
B-LFP80-560MH		560Ah	44.8kWh	1015*810*400	2P*4S*6+2P*2S*1	650kg(1433.00lbs.)		
B-LFP80-608MH		608Ah	48.64kWh			660kg(1455.05lbs.)		
B-LFP80-615MH	83.2V	615Ah	51.168kWh	780*750*570	2P*4S*6+2P*2S*1	668kg(1472.69lbs.)		
B-LFP80-690MH		519Ah	57.408kWh		3P*2S*13	684kg(1507.96lbs.)		
B-LFP80-820MH		820Ah	68.224kWh	Support Customized	3P*4S*6+3P*2S*1	817kg(1801.18lbs.)		
B-LFP80-920MH		920Ah	76.544kWh		3P*2S*13	948kg(2089.98lbs.)		
B-LFP80-1120MH		1120Ah	93.184kWh		4P*2S*13	1136kg(2504.45lbs.)		
B-LFP80-1400MH		1380Ah	114.82kWh		4P*2S*13	1370kg(3020.33lbs.)		

For more forklift lithium batteries request, please contact our sales for support.

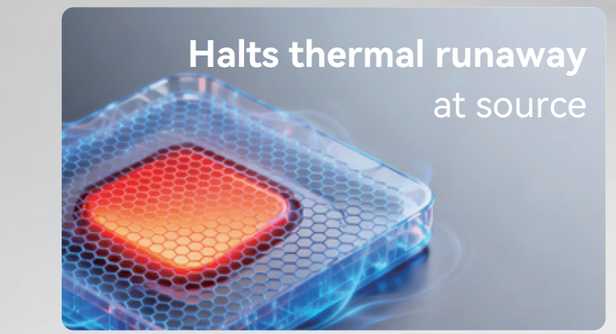
*Models marked with asterisk are UL Solutions Approved

Battery Fire Suppression System

Prevents thermal runaway propagation and minimizes collateral damage.

Activation temperature:

170±10°C





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**

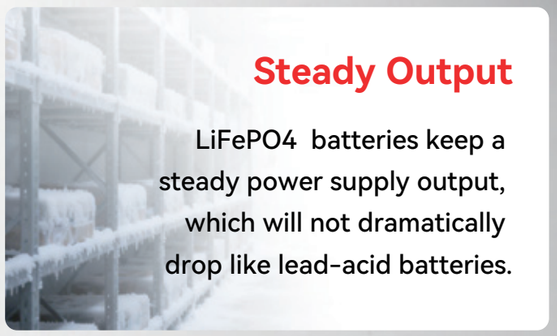
Industrial for Cold Storage Usage

Built for the Cold. Engineered for Non-Stop Operation.

Operating Environment: **-30°C**

+60%
Running Time





Steady Output

LiFePO4 batteries keep a steady power supply output, which will not dramatically drop like lead-acid batteries.

Charge in-Place

Batteries never leave the freezer, so condensation is a non-issue.

3,500+ Cycle Life

BSLBATT LiFePO4 batteries last so long that they outperform traditional batteries.

Built-in Battery Management System(BMS)

The smart and reliable BMS can ensure better performance and deliver longer battery runtime and lifespan.

SoC Meter

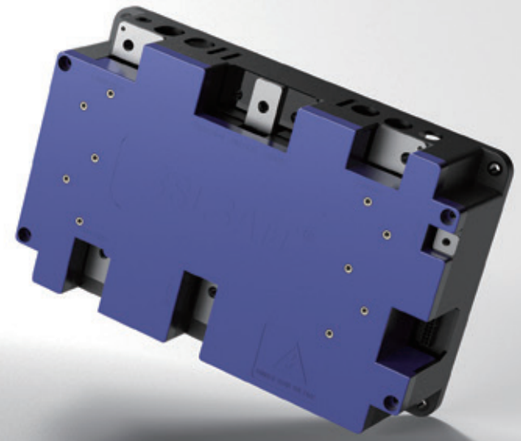
Display the battery's state of charge, status, and malfunctioning information in real time

IP65 Protection

Rated at IP65 protection grade, BSLBATT batteries are waterproof and dust-proof to maintain stable performance under all-weather working conditions

Smart PDU enables 5-minute modular service part swaps

Faster, stronger, safer, greener power distribution than traditional PDUs



Simpler Design & Faster Production

Reduces battery assembly time by **~10%** vs. sheet metal PDUs, enabling **30-day** delivery. Eliminates complex LV wiring.

Higher Reliability

30% lower post-sales failure rate than traditional PDUs, minimizing downtime for efficient operations.

Proven Robustness

Passed **EMC and mechanical vibration tests** for reliable operation in harsh environments.

RoHS Compliant

All components and materials meet **RoHS standards** for environmental safety.

Improved Cooling

Integrated thermal system boosts heat dissipation efficiency by **20%**.

High-strength plastic enclosure provides **superior electrical insulation** vs. metal PDUs.

Enhanced Safety

Fewer Parts, More Reliability

The adoption of the integrated monolithic board reduces connector usage by **50%**, significantly enhancing overall reliability.

Battery Management System(BMS)

Revolutionizing Safety and Serviceability in Power Distribution



Battery Safety Management:

· Overcharge/overdischarge protection
· Overcurrent/over-temperature/ low-temperature protection
· Multi-level fault diagnosis protection Double fault monitoring

Battery Parameter Detection:

· Battery voltage detection and analysis
· Battery current detection and analysis
· Battery temperature detection and analysis

Equilibrium Management:

· Equalization based on the voltage mode
· Equalization based on time mode
· Equalization based on battery cell S00
· Active/passive equalization optional

Other Features:

· Low cost, low power consumption
· Historical data record
· Flexible cascade expansion
· CRC data verification



Thermal Management for Longer Life

Cooler Operation, Extended Lifespan

Can be used at **60°C**



Prevents Overheating
Intelligent module spacing enables natural airflow, eliminating hotspots.

Guards Against Aging
Stabilizes temperature to minimize lifespan reduction (approx. 2% per 1°C).

Ensures Reliability
Maintains consistent performance by balancing heat across all cells.





Built for Performance and Safety

Prevents thermal runaway propagation and minimizes collateral damage.



Exceptional Safety
LiFePO4 chemistry is inherently stable and will not ignite or explode, even in cases of battery failure.

Long Cycle Life
Designed for extended service life, making them ideal for demanding applications.

High Energy Density
Offers efficient power storage in a compact form.

Industrial-Grade Reliability
Widely trusted in industrial and logistics settings for their robust performance.

Advanced Construction:
Modules feature laser-welded busbars, which minimize internal resistance and ensure secure connections.



The latest 4.3-inch touch screen

Add a bracket to secure the display, allowing 360-degree rotation.



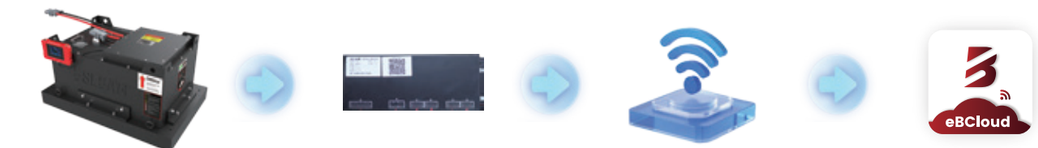
Supports switching between 13 languages

Chinese	English	Spanish	Portuguese
French	German	Russian	Polish
Italian	Arabic	Korean	Japanese
Thai	More languages are being unlocked...		

Wirerless Display

2.4G
More flexible placement





Smart Cloud Management: Always-On Fleet Oversight

Our intelligent cloud platform maximizes uptime and safety through real-time monitoring and remote diagnostics. The system proactively alerts you via BSL BMS before issues arise, while a central web portal provides live performance data, fleet activity, and actionable insights—all accessible from anywhere.

BSL Cloud platform

Create fleets.
Monitor each of your batteries:



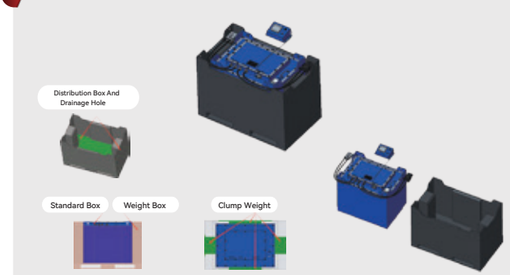
Standard options

Relay remote solution, touch screen, charging and discharging interface, discharging Anderson 350, charging REMA 320, charging relay 300A, discharging relay 600A.

01 Bottom-weighted Black Box



02 Perimetric Counterweight



On track for success with **BSLBATT**

BSLBATT GPRS + GPS Cloud Services

- **Long Service Life:** 3,500–4,500 standard cycles, with some high-end cells surpassing 6,000 cycles.
- **Extended Usability:** Reliable power for years, minimizing battery replacement.
- **Zero Maintenance:** LiFePO4 technology eliminates maintenance needs.

Long Life Span, High to 6000 Times





Discharge Capacity ≥100%*nominal

We guarantee that our batteries will deliver **100%** or more of their nominal capacity in real operating conditions, living up to their promise every time.

Every cell is rigorously screened to ensure it meets our highest standards. This guarantees flawless performance and superior reliability in every battery pack.

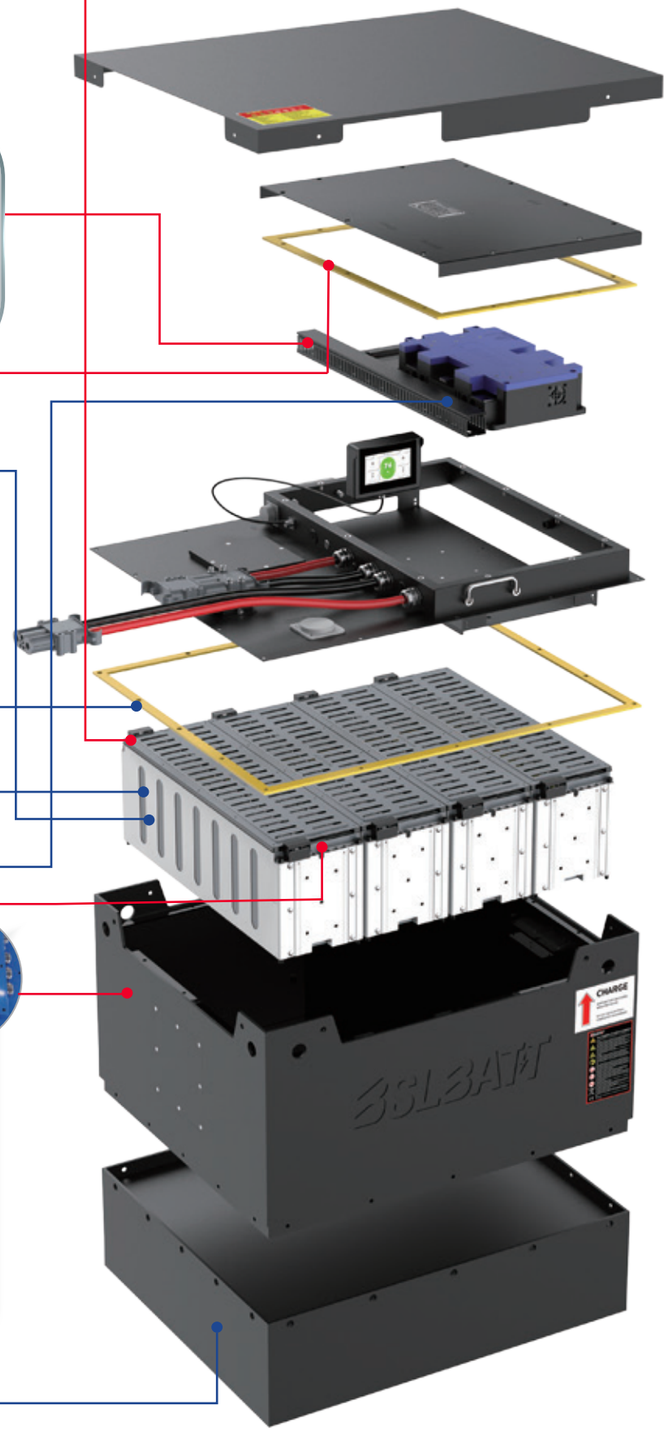
Guaranteed Top-Tier Consistency



Remote Intelligent BMS



- **High-Performance Hardware:** Equipped with a 32-bit processor and precision sampling chips for reliable data.
- **Optimized Battery Performance:** Enhances cell consistency and provides accurate charge-level estimation.
- **Remote Monitoring:** Enables real-time online tracking of your battery's status from anywhere.



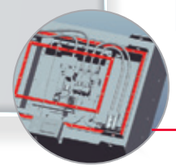
- **Superior Connections:** Laser-welded aluminum bus bars ensure seamless, high-conductivity contacts.
- **Enhanced Structure:** A hybrid aluminum alloy and steel frame boosts overall strength and stiffness.
- **Proven Durability:** Our modules reliably withstand physical stress, expansion, and harsh environments.

Reliable Module Welding



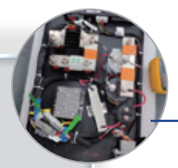
Waterproof Structure

- **Water & Dust Tight Seal:** An integrated waterproof gasket reliably prevents moisture and dust ingress.
- **Rugged Protective Enclosure:** The robust casing shields the battery from physical harm and corrosive substances.



- **All-in-One Design:** Consolidates BMS, charging, and DC modules for superior functionality.
- **Proven & Reliable:** Features a mature structure with expanded vehicle-interfacing capabilities.
- **Fully Customizable:** Flexible configuration allows for development tailored to your exact vehicle and model needs.

Integrated PDU



Flexible Copper Busbar

Our bus bars are custom-designed for each battery configuration, ensuring a perfect fit and reliable performance while achieving the lowest possible system cost.



Maintenance Cover Makes Maintaining Easy



- **Easy-Access Design:** Features a dedicated maintenance window for convenient inspection and service.
- **Faster Servicing:** Enables quick checks and repairs without complex disassembly.
- **Reduced Operational Delays:** Cuts equipment downtime, keeping your fleet productive.

- **A Core Philosophy:** We treat safety as a fundamental priority, not an afterthought.
- **Comprehensive Protection:** Features full insulation and internal protection.
- **Flame-Retardant Construction:** Uses materials that resist burning to enhance safety.

Safety Material: Insulated and protected with flame-retardant materials





Original Chargers for Forklift

Compatible with Major Charger Brands

Our batteries are tested and certified for use with a wide variety of charger brands, demonstrating industry-wide trust and reliability.

BSLBATT®
Best Solution Lithium Battery

SPE INDUSTRIAL ELECTRONICS
MINIT CHARGER
Fronius
ZIVAN HIGH FREQUENCY BATTERY CHARGERS
ATiB ELETTRONICA
delta-q TECHNOLOGIES
act
MICROPOWER GROUP POWERFUL SOLUTIONS PARTNER
PosiCharge AMPURE
IEB WE'VE GOT THE POWER
ecoCHARGE
power designers sibex

PORTABLE SERIES (Single / 3-phase)

Model	Rated Power(KW)	Current (A)	Voltage Range (Vdc)	Input Voltage/ Output Connector
BSL-48-100	4.8 kW	100A	20-60	Single 220V/Three-phase 380V REMA/GB/T optional
BSL-80-65	5.2 kW	65A	30-100	Three-phase 380V REMA/GB/T optional
BSL-80-100	8 kW	100A	30-100	
BSL-115-50	5.75 kW	50A	50-150	
BSL-24-50	1.2 kW	50A	16-32	Single 220V REMA/Anderson optional
BSL-24-100	2.4 kW	100A	16-32	
BSL-48-50	2.4 kW	50A	32-64	
BSL-80-30	2.4 kW	30A	30-100	

24V / 48V HIGH POWER SERIES (3-phase industrial)

Model	Rated Power(KW)	Current (A)	Voltage Range (Vdc)	Input Voltage/ Output Connector
BSL-24-200	4.8 kW	200A	16-32	Single 220V/Three-phase 380V REMA/Anderson optional
BSL-48-150	7.2 kW	150A	20-60	Three-phase 380V REMA/Anderson optional
BSL-48-200	9.6 kW	200A	20-60	
BSL-48-250	12 kW	250A	20-60	
BSL-48-300	14.4 kW	300A	20-60	

80V / 150V HV SERIES

Model	Rated Power(KW)	Current (A)	Voltage Range (Vdc)	Input Voltage/ Output Connector
BSL-80-100	8 kW	100A	30-100	Three-phase 380V REMA/GB/T optional
BSL-80-150	12 kW	150A	30-100	
BSL-80-200	16 kW	200A	30-100	
BSL-80-300	24 kW	300A	30-100	
BSL-150-100	15 kW	100A	80-200	
BSL-150-200	30 kW	200A	80-200	

AMERICAN STANDARD (UL, 480V/220V)

Model	Rated Power(KW)	Current (A)	Voltage Range (Vdc)	Input Voltage/ Output Connector
BSL48V-100A	4.8 kW	100A	20-60	Three-phase 480V/220V REMA/GB/T optional
BSL48V-150A	7.2 kW	150A	20-60	
BSL48V-200A	9.6 kW	200A	20-60	
BSL72V-100A	7.2 kW	100A	30-100	
BSL72V-200A	4.4 kW	200A	30-100	
BSL80V-100A	8 kW	100A	30-100	
BSL80V-200A	16 kW	200A	30-100	

DUAL CONNECTOR SERIES (Double gun, redundant)

Model	Rated Power(KW)	Single Gun Current	Voltage Range (Vdc)	Input Voltage/ Output Connector
BSL-48-200-2Q	19.2 kW (dual shot)	200A per gun	20-60	Three-phase 380V REMA/GB/T optional
BSL-80-200-2Q	32 kW (dual shot)	200A per gun	30-100	

Why Partner With Us?

14+ Years **in Lithium Battery Manufacturing**

– Deep industry expertise from the ground up.

40,000+ **Batteries Deployed Globally**

– Hands-on experience across diverse real-world conditions.

UL2580 **The First Company in China to Obtain Certification**

– Industry-Leading Compliance for Battery Safety.

1,000 **Industrial Battery Packs Delivered Monthly**

– Reliable production capacity to meet steady demand.



Unrivaled Power and Superior Compatibility for Multi-Shift Operations.

Engineered for 24/7 industrial environments, delivering consistent performance across all shifts.



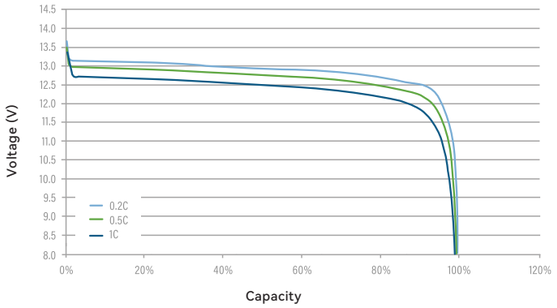
BSLBATT provides high-performance solutions for vehicles of all brands and sizes. Our technology is widely used in leading forklift brands, including:

Aisle Master	Columbia	Heli	Komatsu	Nissan	TCM
Auto Guide	Combilift	Hoist	Linde	Pack Mule	Toyota
Baoli	Crown	Hubtex	Manitou	Raymond	UniCarriers
Bendi/Landoll	Doosan	Hyster	Mariotti	Rico	Utilev
Big Joe	Drexel	Hyundai	Mitsubishi	Schreck	White
Blue Giant	Elwell-Parker	Jungheinrich	Motrec	Steinbock	World
Caterpillar	Flexi	Kalmar	Multiton	Taylor-Dunn	Yale
Clark	HC Forklift				

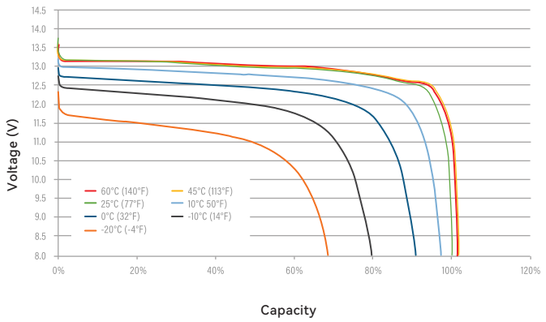
*While these are our primary partner brands, we are by no means limited to them. If you don't see your application listed, we encourage you to reach out—we're here to help.

Typical Lithium Iron Phosphate Characteristics

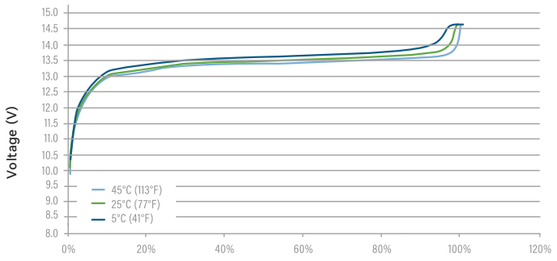
DISCHARGE VOLTAGE CHARACTERISTICS at VARIOUS RATES 25°C (77°F)



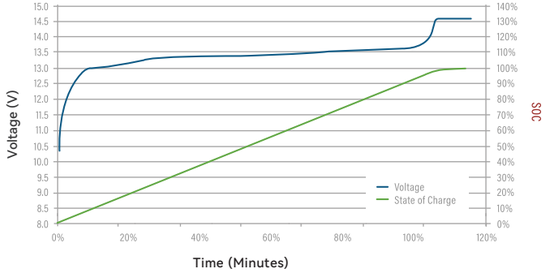
DISCHARGE VOLTAGE CHARACTERISTICS AT VARIOUS TEMPERATURES DISCHARGE 1C



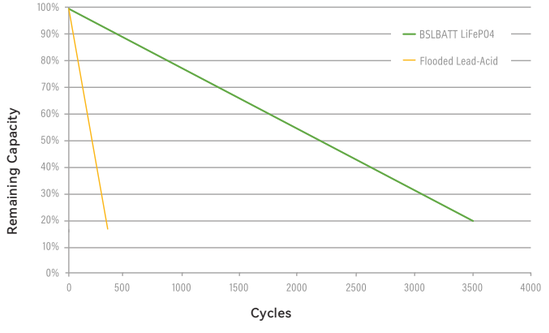
CHARGE VOLTAGE CHARACTERISTICS AT VARIOUS RATES CHARGE 0.2C



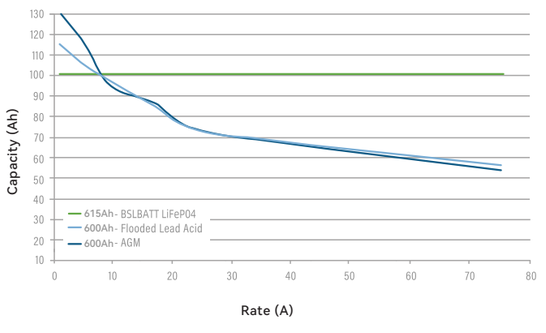
CHARGE VOLTAGE AND STATE OF CHARGE (SOC)CHARGE 0.2C @ 25°C (77°F)



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



CAPACITY OF BSLBATT LiFePO4 VS.LEAD ACID at VARIOUS RATES OF DISCHARGE



*Performance between applications and batteries may vary. The customer should independently verify all results.



Applications

Highly hazardous explosive atmospheres—including gases, vapors, and combustible dusts—are commonly generated during the production, storage, and transportation of flammable materials across various industries such as chemical, pharmaceutical, pulp and paper, food processing, and logistics. To enhance safety and reduce the risk of incidents in classified hazardous areas during material handling operations, it is essential to implement appropriate protective measures.

BSLBATT provides batteries designed to meet stringent safety and performance criteria, delivering reliable explosion protection for hazardous environments.









LiFePO4 Batteries for Heavy-Duty Forklift

Latest Technology.
Huge Growth for Your Business.



Applications

Heavy-duty forklifts are widely used in ports, steel mills, mining sites, chemical plants, and heavy logistics hubs, where explosive gases, vapors, or combustible dusts (e.g., hydrogen, methane, coal dust) may be present during bulk material handling. Hot engine surfaces, electrical arcs, and friction sparks from heavy loads pose significant ignition risks in Zone 1, Zone 2, and Class II hazardous areas. Effective explosion protection for the power system is essential.

BSLBATT provides explosion-protected batteries for heavy-duty forklifts, featuring robust thermal management, spark-free electrical connections, and reinforced casings. They deliver reliable, continuous power for safe operation in hazardous environments without compromising performance under extreme loads.









LiFePO4 Batteries for Pallet Truck

Best in class cycle life & warranty







Applications

Electric pallet trucks are widely used in warehouses, distribution centers, cold storage, retail logistics, and pharmaceutical storage, where flammable vapors from leaking containers or refrigerant gases may accumulate near floor level. Repeated connector plugging, static discharge, and electrical arcing pose ignition risks in Zone 2 and Zone 22 hazardous areas. Effective explosion protection for the power system is therefore essential.

BSLBATT offers explosion-protected batteries for electric pallet trucks, featuring sealed terminals, anti-static casings, and spark-free connectors. They deliver safe, reliable power for daily operation in Zone 2/22 environments while maintaining compact size and maneuverability.









Floor Area
30000 m²

Industrial Park
30 Acres

Number of Employees
300+

Total Annual Production Capacity (All Product Lines)
3 GWh



R&D and Manufacturing Highlights

As a result of these investments, BSLBATT delivers end-to-end integrated solutions, enabling our products to consistently outperform industry standards.

- Fully Automatic Production Lines
- BMS, PCS, EMS – All Designed In-House
- All-round Testing
- Advanced MES System
- Global Sales and Service Network
- Hassle-free After-sales Service
- Timely Delivery
- Fast-response Technical Support

BSLBATT has comprehensively expanded its overseas market presence, ensuring localization of R&D, manufacturing, marketing, and service. This makes us one of the most reliable and valuable partners in the industry.

At BSLBATT, we view market demand and customer needs as opportunities to innovate. With advanced technology and reliable products, we insist on a long-term development strategy: refining our technology, standardizing our products, and systematizing production.

This enables us to deliver renewable energy solutions that are extremely safe, reliable, high-performing, and user-friendly, driving progress across multiple industries.











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