

# THE PROVEN LEADER

in Lithium-ion Motive Power Battery



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# BSLBATT®

China Is No. 1 in Exporting LiFEPO4 Forklift:  
**Battery For The Replacement Of Lead-acid Battery Market**



[www.lithiumforkliftbattery.com](http://www.lithiumforkliftbattery.com)

Business Card Binding Position



**Fast & Opportunity**  
Charge



**Heating Function**  
Optional



**IP65**  
Protection



**8-year**  
Warranty



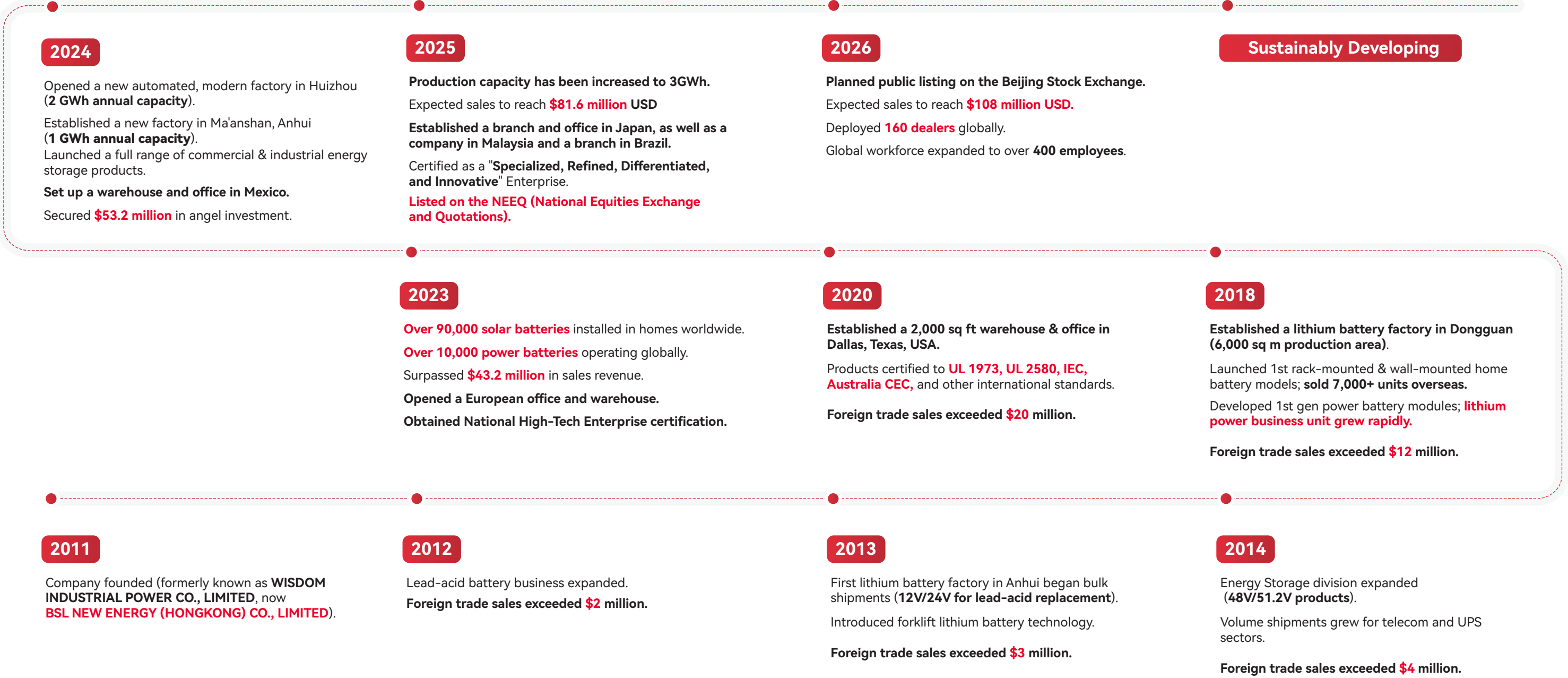
**Built-in Automatic**  
**Fire Suppression System**

# LiFePO4 Batteries

## for Material Handling Equipment



# Development Path



 **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

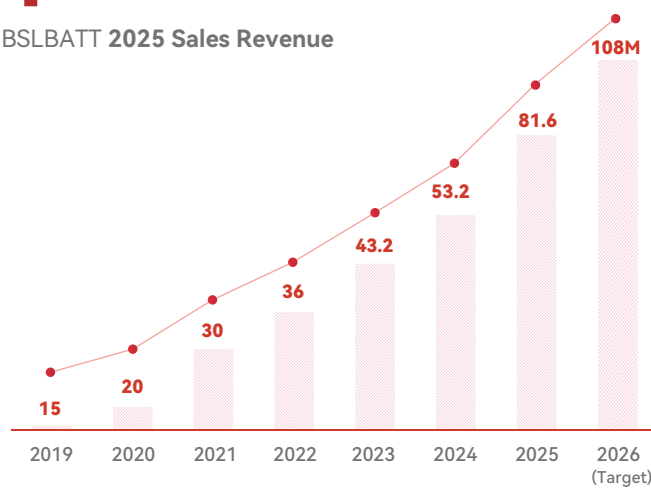
 **6.2%** Continuous R&D Investment

 **Large Supermarket Cold Storage** Preferred China Forklift Lithium Battery Supplier

**The Power Behind The Forklift**

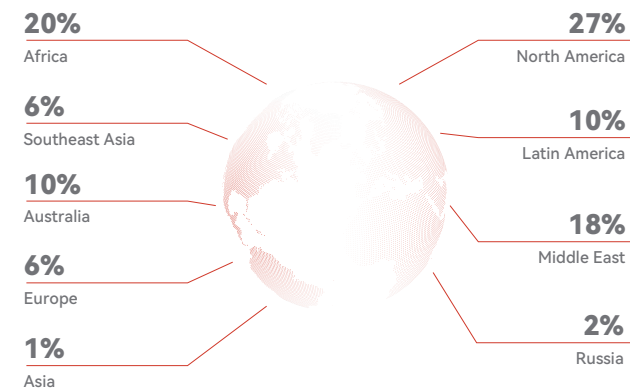
\$81.6 million

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.

## 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)



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

# 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                |
|--------------------------|--------------------------------|
| <br>3 years design life  | <br>Up to 10 years design life |
| <br>Frequent maintenance | <br>No maintenance             |
| <br>1-2 years warranty   | <br>8 years warranty           |

**Longer life**  
3 to 4 times lead-acid lifespan

- Reduces overall battery investment
- Eco-friendly
- Minimize the need for spares

**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

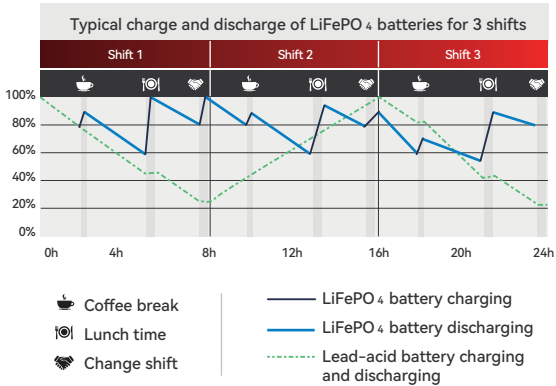
**Extended warranty**  
bring you peace of mind

- 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 LiFePO<sub>4</sub> 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 (LiFePO<sub>4</sub>) 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  | 80V             | 304Ah            | 25.293kWh     | 1015*630*400       | 1P*4S*6+1P*2S*1          | 322kg( 709.89lbs. )   |                 |                      |
| B-LFP80-410MH  |                 | 410Ah            | 32.8kWh       |                    | 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  | 83.2V           | 608Ah            | 48.64kWh      |                    |                          | 660kg( 1455.05lbs. )  |                 |                      |
| B-LFP80-615MH  |                 | 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.

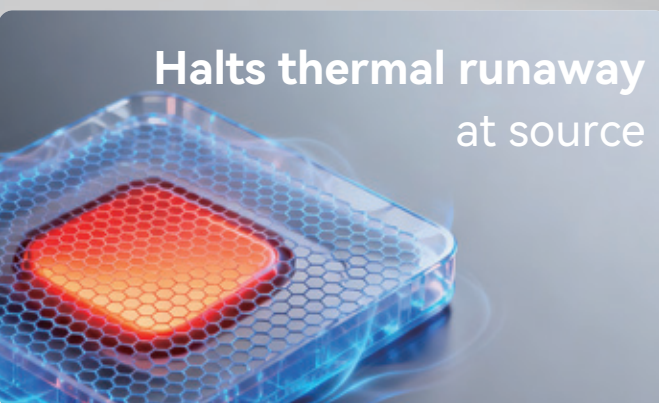
\* Models marked with asterisk are  Solutions Approved

# 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:

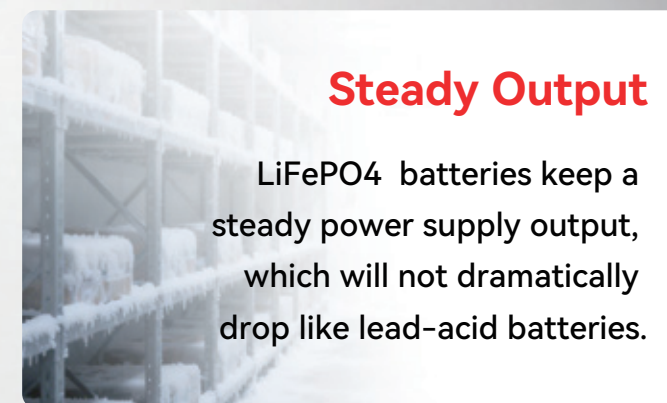
- Reduces internal component destruction
- Addresses critical lithium battery safety requirements (NFPA, IEC)
- Meets insurer/fire department compliance thresholds



# Industrial for Cold Storage Usage

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

Operating Environment: **-30°C**



## 3,500+ Cycle Life

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

## Charge in-Place

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



## Built-in Battery Management System(BMS)

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

## SoC Meter

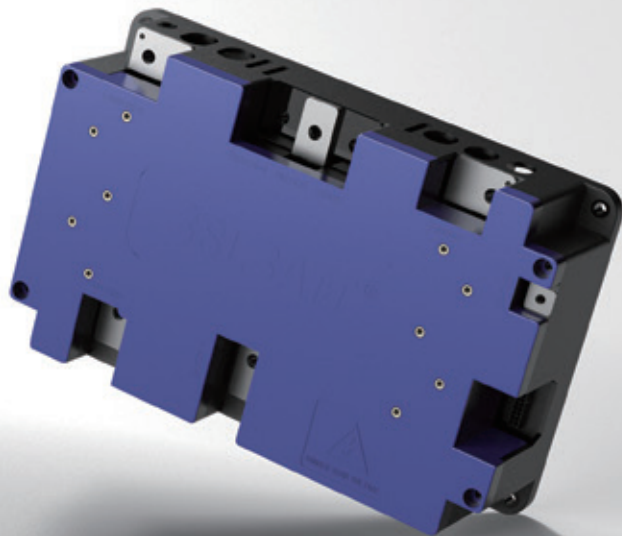
Display the battery's state of charge, status, and malfunctioning information in real time

## 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... |         |            |

# Wireless 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

Standard Case

External Counterweights

### 02 Perimetric Counterweight

Distribution Box And Drainage Hole

Standard Box

Weight Box

Clump Weight

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



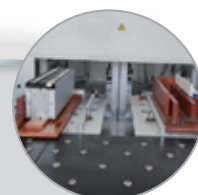
### Remote Intelligent BMS



- **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.

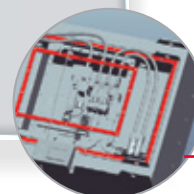
- **Superior Connections:** Laser-welded aluminum bus bars ensure seamless, high-conductivity contacts.
- **Enhanced Structure:** A hybrid aluminum alloy and steel frame boosts overall strength and stiffness.
- **Proven Durability:** Our modules reliably withstand physical stress, expansion, and harsh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

### Reliable Module Welding



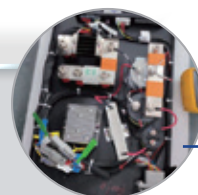
- **Water & Dust Tight Seal:** An integrated waterproof gasket reliably prevents moisture and dust ingress.
- **Rugged Protective Enclosure:** The robust casing shields the battery from physical harm and corrosive substances.

### Waterproof Structure



- **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.



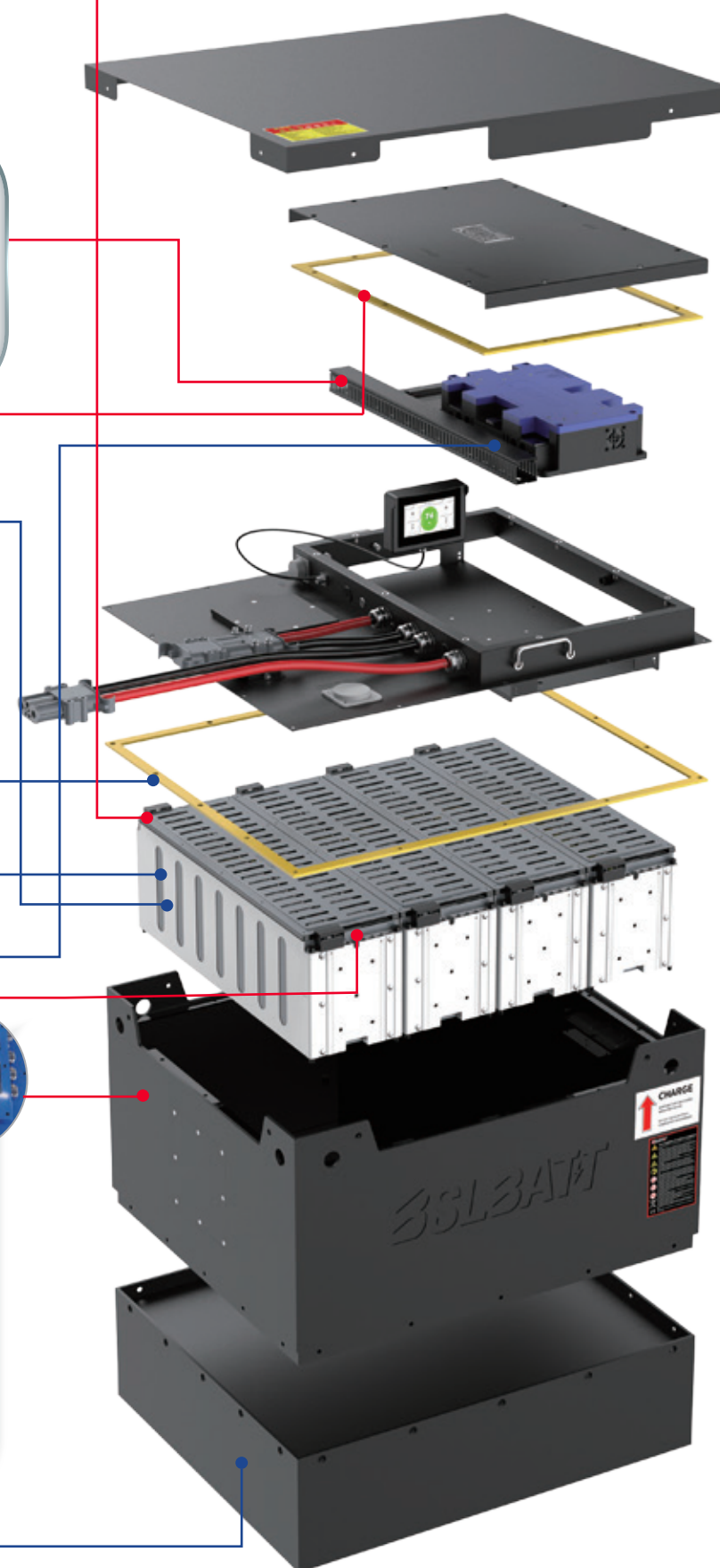
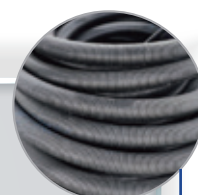
### Maintenance Cover Makes Maintaining Easy

- **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.



## 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<br>REMA/GB/T optional |
| BSL-80-65  | 5.2 kW          | 65A         | 30-100              |                                                    |
| BSL-80-100 | 8 kW            | 100A        | 30-100              |                                                    |
| BSL-115-50 | 5.75 kW         | 50A         | 50-150              | Three-phase 380V<br>REMA/GB/T optional             |
| BSL-24-50  | 1.2 kW          | 50A         | 16-32               |                                                    |
| BSL-24-100 | 2.4 kW          | 100A        | 16-32               |                                                    |
| BSL-48-50  | 2.4 kW          | 50A         | 32-64               | Single 220V<br>REMA/Anderson optional              |
| 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<br>REMA/Anderson optional |
| BSL-48-150 | 7.2 kW          | 150A        | 20-60               |                                                        |
| BSL-48-200 | 9.6 kW          | 200A        | 20-60               | Three-phase 380V<br>REMA/Anderson optional             |
| 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<br>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<br>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<br>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.



## Unrivalled Power and Superior Compatibility for Multi-Shift Operations.

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



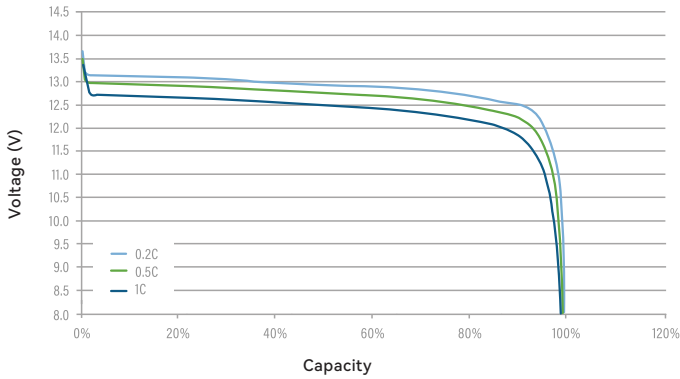
BSLBATT provides high-performance solutions for vehicles of all brands and sizes. Our technology is widely used in leading forklift brands, including:

|               |               |              |            |             |             |
|---------------|---------------|--------------|------------|-------------|-------------|
| 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   |              |            |             |             |

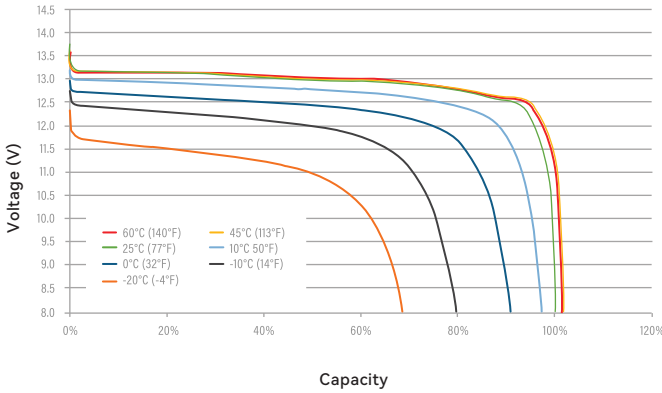
\*While these are our primary partner brands, we are by no means limited to them. If you don't see your application listed, we encourage you to reach out—we're here to help.

# Typical Lithium Iron Phosphate Characteristics

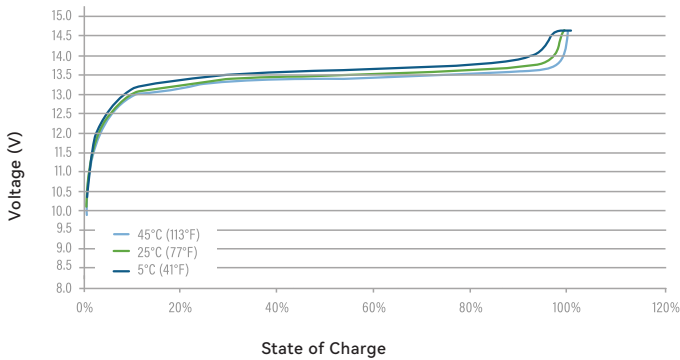
DISCHARGE VOLTAGE CHARACTERISTICS  
at VARIOUS RATES 25°C (77°F)



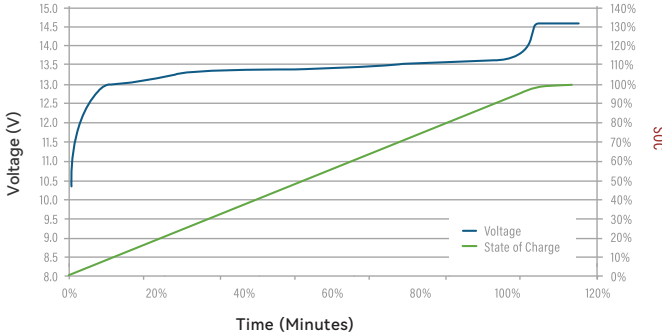
DISCHARGE VOLTAGE CHARACTERISTICS  
AT VARIOUS TEMPERATURES DISCHARGE 1C



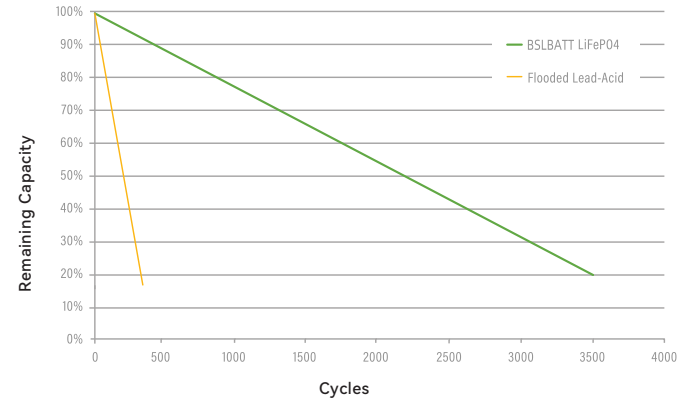
CHARGE VOLTAGE CHARACTERISTICS  
AT VARIOUS RATES CHARGE 0.2C



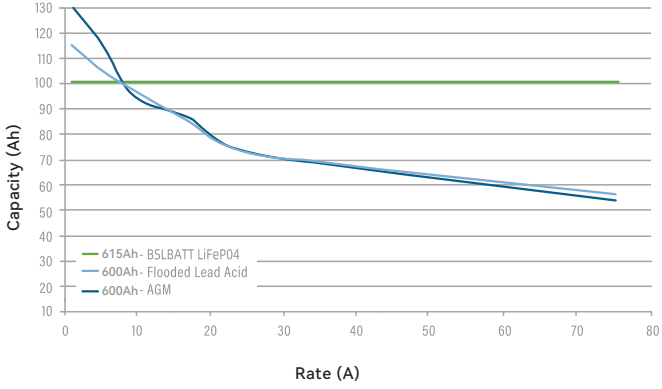
CHARGE VOLTAGE AND STATE  
OF CHARGE (SOC) CHARGE 0.2C @ 25°C (77°F)



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



## 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.



CE IEC UN38.3 UL PICC

Explosion-Proof

# LiFePO4 Batteries for Forklifts

Uncompromising Safety in Hazardous Areas



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



# 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 m<sup>2</sup>**



Industrial Park  
**30 Acres**



Number of Employees  
**300+**



Total Annual  
Production Capacity  
(All Product Lines)  
**3 GWh**

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.



## 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.



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Version: April 14, 2026, BSL Forklift Lithium Iron Phosphate Battery Catalog