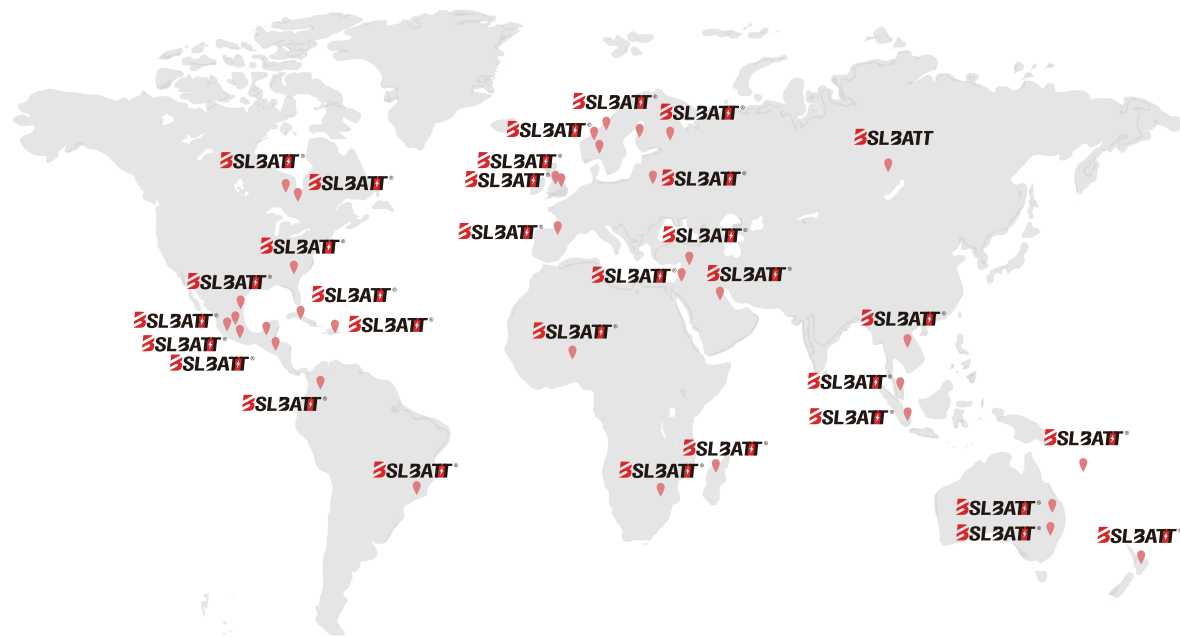


► **9** overseas branches and **118** dealers around the world,
promoting the BSLBATT brand and providing after-sales services.



BSL NEW ENERGY TECHNOLOGY CO., LTD

www.lithiumforkliftbattery.com

Call: +86-752-2819-469

E-mail: inquiry@bsl-battery.com

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

BSL NEW ENERGY(USA) TECHNOLOGY CO,LTD

bslbattery.us

Call:+1(571)412-2485

E-mail: sales@bslbattery.us

Address: 7901 4th St N Ste 300, st Petersburg,
fl, US 33702

BSL New Energy Technology European B.V.

www.lithiumforkliftbattery.com

Call: +31 627 583 933

E-mail: inquiry@bsl-battery.com

Address: Jollemanhof 22, 1019GW
Amsterdam, Netherlands



Facebook



Website



Tiktok

THE PROVEN LEADER IN LITHIUM-ION MOTIVE POWER BATTERY



www.lithiumforkliftbattery.com

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organization for Standardization and Underwriters Laboratories
respectively. Subject to revisions without prior notice.E.&O.E.

Business Card Binding Position

THE PROVEN LEADER IN LITHIUM-ION MOTIVE POWER BATTERY





Pallet Trucks



Narrow Aisle Forklifts



End Rider



Ride On Forklifts



Airport Ground Support Equipment

 **13+**
Years Lithium Experience

 **18,197**
Lithium Batteries Deployed Worldwide

 **141+**
Self-developed Patents

 **UL2580**
The First Company In China To Obtain Certification

3  **GWH+**
Delivered Capacity

 **Large supermarket
cold storage**
Preferred China Forklift Lithium Battery Supplier

Top **4** 
China Forklift Lithium Battery Supplier

 **113+**
Countries
Global Deliveries

 **6.2%**
Continuous R&D Investment

CONTENTS

- P01 About BSLBATT
- P05 Advantages Of BSL Battery
 - P05 ·Air-cooled System
 - P06 ·Cold Storage Usage
 - P07 ·Fire Extinguishing Device
- P08 Advantages Of Lithium-ion Technology
- P13 Product Exploded View
- P15 Gse Batteries
- P17 Pallet Truck Batteries
- P18 Customized Lithium Batteries For Special Forklift Models
- P19 Product Component
- P21 BSL Cloud
- P22 Charger
- P24 The Story
- P25 Specifications

THE POWER BEHIND THE FORKLIFT

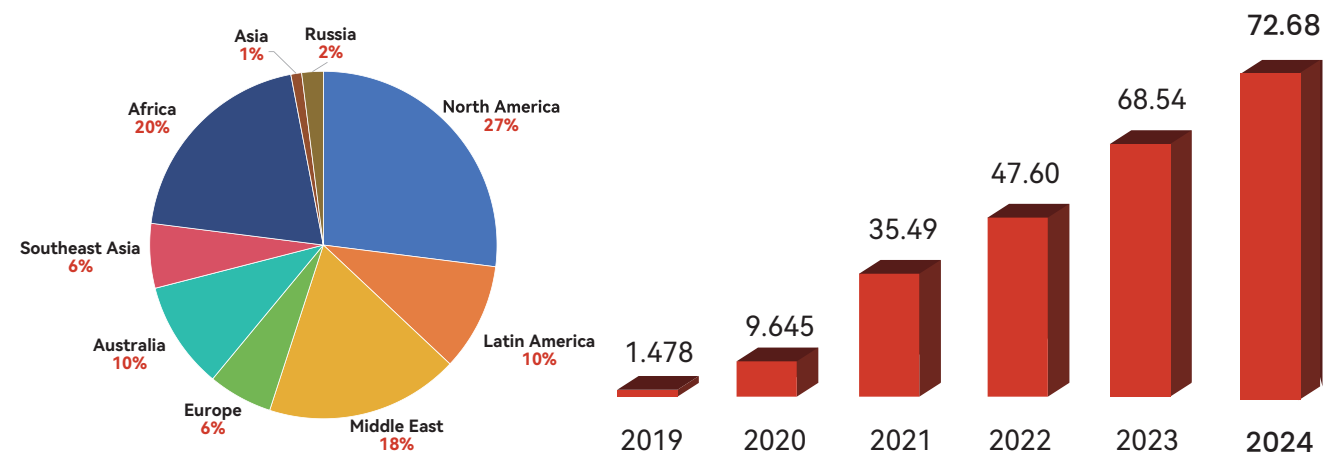


“ Founded in 2012, BSLBATT is an innovative high-tech company that designs and manufactures smart lithium-ion batteries (up to 50% more efficient than similar products) for industrial forklifts in the warehousing and distribution industry. BSLBATT offers a range of high-quality lithium-ion battery packs with UL2580, IEC62619, CE, and UN38.3 certifications, including proprietary.

Battery Management System (BMS) and cloud platform technologies, provide customers with better performance, lower cost of ownership, and greener solutions than traditional lead-acid and propane batteries in many usage scenarios. Lithium-ion battery packs reduce CO2 emissions and help improve fleet sustainability and ESG metrics.

\$72.68 million

BSLBATT 2024 Sales Revenue



Overseas sales account for **90%** of BSLBATT sales revenue.



Quality

High-quality Products and Automation Production Lines

Vertically Integrated Production Process

Product quality

Delivery time

Control

Technology

Cost

Worldwide Certifications

CE IEC UN38.3 UL Sedex

ISO 9001 ISO 14001 PICC TÜV

3 Professional Labs

CNAS

1 Certificated of CNAS

Certification



Suitable For All Top Brand Electric Forklift Models

24V	24V	36V	48V	48V	76.8V	80V	80V
AGV	Class 3 Walkie Pallet Jack	Class 2 Narrow Aisle	Class 3 End Rider / Center Rider	Class 2 Narrow Aisle	Class 1 3-Wheel	Class 1 Counterbalanced	Airport GSE



A compact fan for cooling

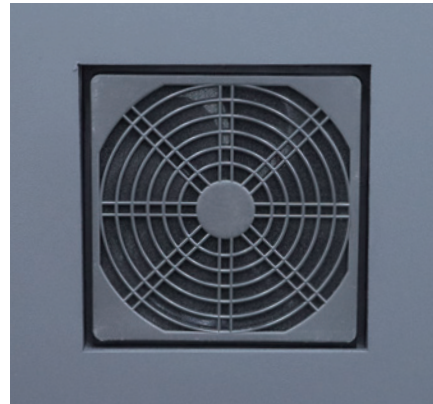
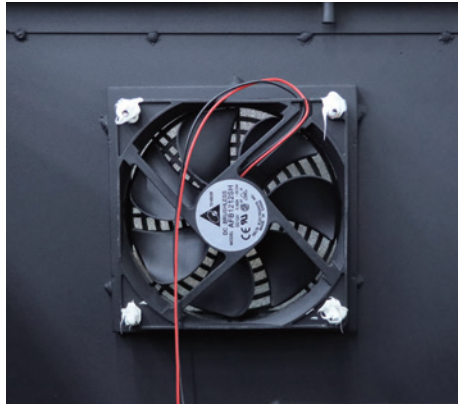



 Outperforms
at lower
temperatures.
-35°C

Air-cooled system cools down 5°C to 10 °C

Temperature is an essential element for batteries. The technology for this is “active heating” and “active cooling,”.

Sensors measure the temperature of many of the hundreds of cells inside per battery module – around 100 cells per battery box. If it is too hot or too cold, the battery management system sets the air conditioner or heating accordingly. The IP65-protected compact fan AFB1212SH from BSLBATT is responsible for active cooling. It extracts outside air through ducts in the battery housing, dissipates it through the metal side of the modules, and cools the cells in a targeted manner. The compact fan is UL-certified, and an OEM safety regulation is required for the American market.



Advantages of BSL Battery Industrial for Cold Storage Usage

1. There is no cold-temperature capacity loss with integrated battery heaters.
2. One-hour fast charging is enabled within the cold storage area (to -40 degrees).
3. Forklifts will never leave the freezer, and pallet jacks can be charged in refrigerated trailers, so risks from condensation are minimized.
4. A permanently installed battery can support 24/7 continuous operation with an opportunity charging regime.
5. Maintenance is rare, unlike lead-acid batteries.
6. Cycle life enables a useful product life of up to ten years.
7. A distribution partner with the knowledge to implement and maintain the battery systems makes execution easy and seamless.




 Running time
+60%



Condensed Aerosol Fire Extinguishing Device

Advantages of BSL Battery

Condensed Aerosol Fire Extinguishing Device

1. Compact size
2. No pressure storage
3. No need to lay pipe network and maintenance
4. Efficient and rapid-fire extinguishing
5. Non-toxic and harmless
6. Safe and reliable
7. Green and environmental protection

Features

1. Cooling And Fire Extinguishing Effect Of Heat Absorption And Decomposition
2. Gas-Phase Chemical Inhibition
3. Solid-Phase Chemical Inhibition

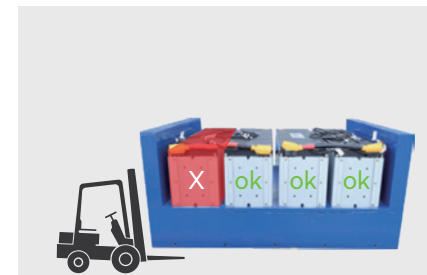


Highly efficient and reliable in extinguishing fires.



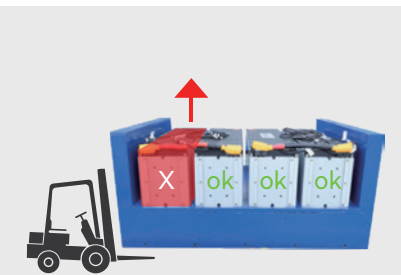
Parallel Battery Topology (PBT):

In case of module malfunction, the faulty module is automatically disconnected and remains inactive via remote action, without interrupting the battery operation until the service representative arrives on-site.



Active

The problematic module was isolated via remote action (PBT Mode) without interrupting the operation of the battery & forklift



Inactive

Easy & safe replacement of faulty module in a few minutes



Active

Operation of battery & forklift back to normal

Ultimate Customer Experience

Fully charged in under 90 minutes, BSLBATT batteries enable 3-shift operations, without changing batteries in the middle of the workday.

The Power Behind
The Innovation
Electric Forklifts

Up to
3,500+ cycle life

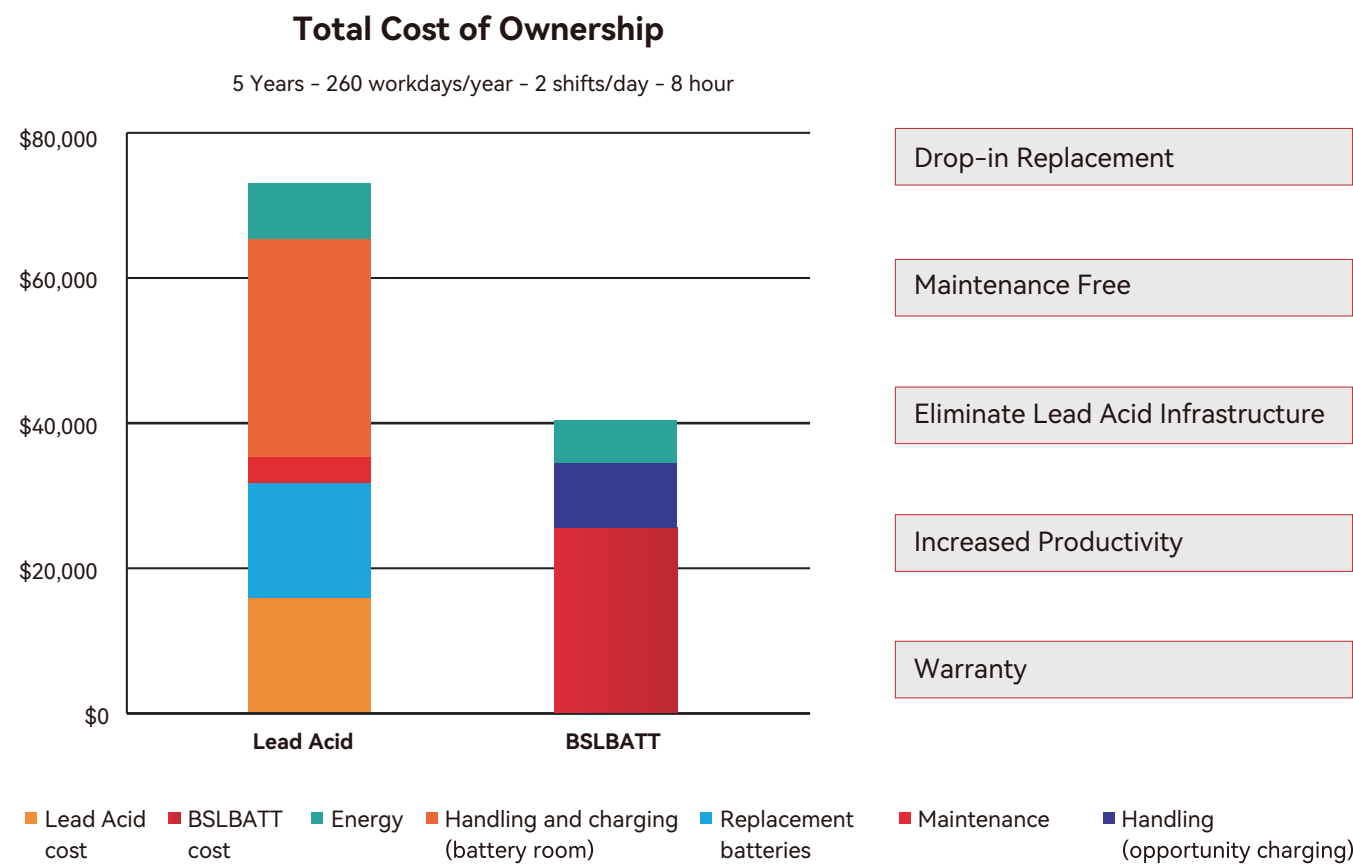
Up to
10 years design life

Save up to
70% expenses in 5 years



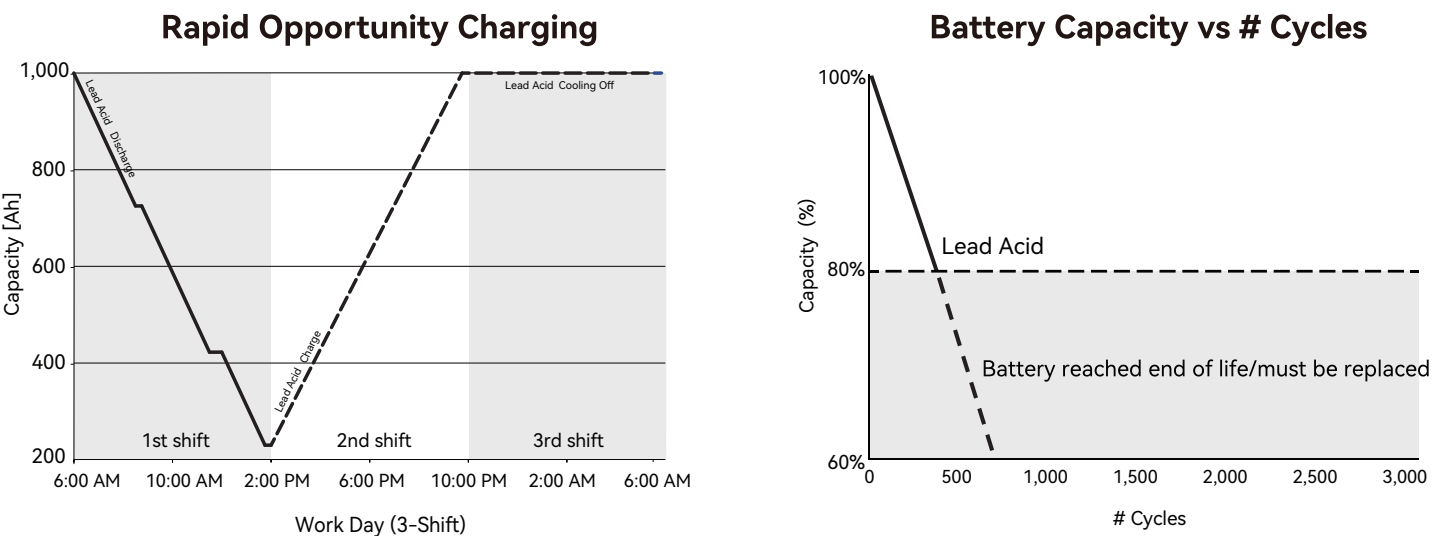
Capitalize on Your Investment

BSLBATT batteries will transform your business, maximize the efficiency of your operation by eliminating the complexity of lead acid battery management, and take advantage of the most advanced battery technology available.



Performance

When compared with conventional lead acid batteries, BSLBATT delivers unmatched performance and capabilities. BSLBATT batteries will increase your forklift uptime and overall efficiency.



Quick Comparison Table

PARAMETER	LEAD-ACID BATTERIES	LITHIUM-ION BATTERIES
No. Of Shifts With One Battery	1	Up-to 3
Charging Time	8 hours	2-3 hours
Opportunity Charging	Possible, however battery life reduces drastically	Charging for as low as 5-10 minutes whenever possible
Safety & Health Risks	High	Low
Watering The Battery	Yes	N/A
Maintenance Cost	High	Low
Battery Lifespan	~ 1500 cycles	3500 cycles
Electrical Infrastructure	Use existing	May need Upgrade
Replacement Cost	High	Low
Energy Efficiency	Low	High
Electricity Cost	High	Lower, save up to 30% because of higher energy efficiency
Upfront Cost	Low	High
Total Cost Of Ownership	High	Low
Environment Friendly	No	Yes

Advantages of Lithium-ion Technology

Proven Technology

High Energy Density

Quick Recharge

Extended Life

Completely Recyclable

Maintenance Free

Smart

Efficient

Quick Return on Investment

Extremely Safe

Drop-in Solution

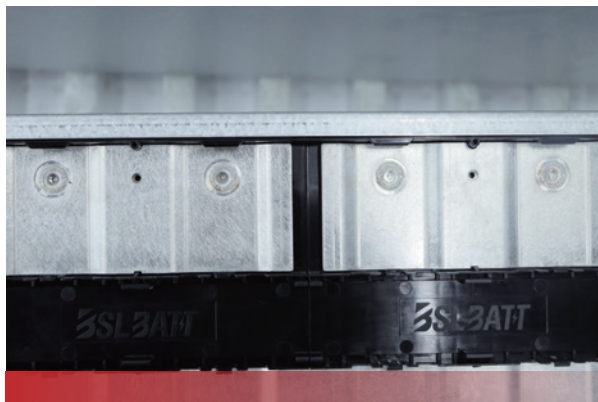
High & Low Temperature Performance

WHY BUY BSLBATT® LI-ION BATTERY?

Based on its long experience with Li-ion, BSL Battery – Industria developed a new generation of Li-ion traction batteries with **2 important advantages**:

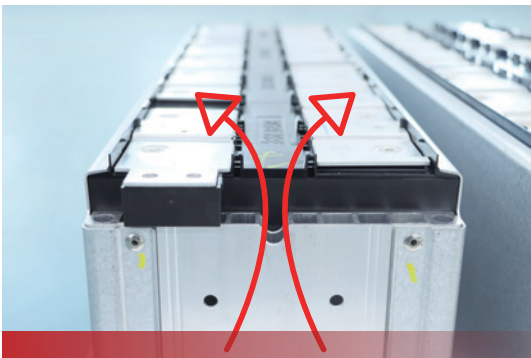
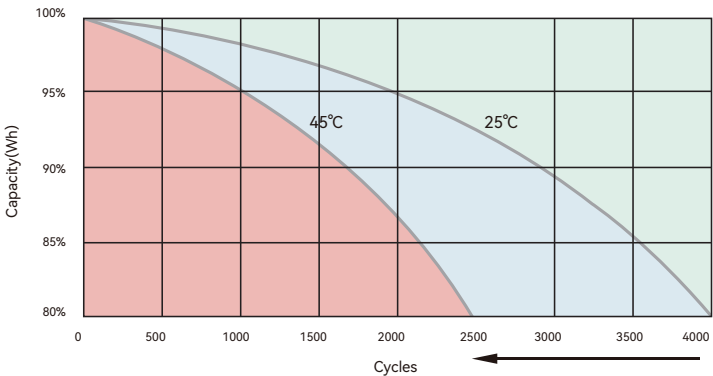
1. The BSLBATT Lithium batteries use prismatic cells based on the superior LifeP04 (Lithium Iron Phosphate) technology. This cell offers a long cycle life with an excellent energy density. In industrial and logistics applications only LiFeP04 is used. It is important to understand that this technology does not ignite or explode, even if the battery breaks down.

It is fully protected The cells are assembled in modules with laser welded bushars. This connection reduces the internal resistance and reduces the risk of poor connections.



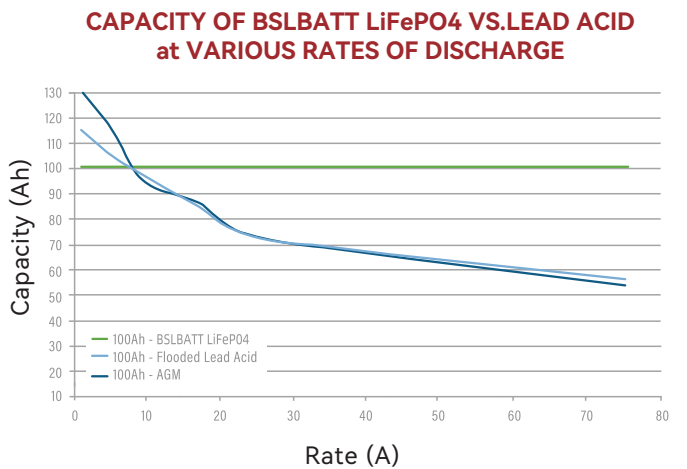
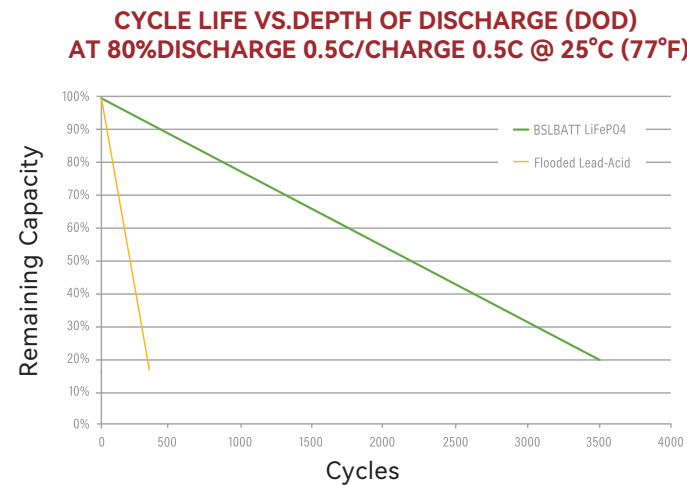
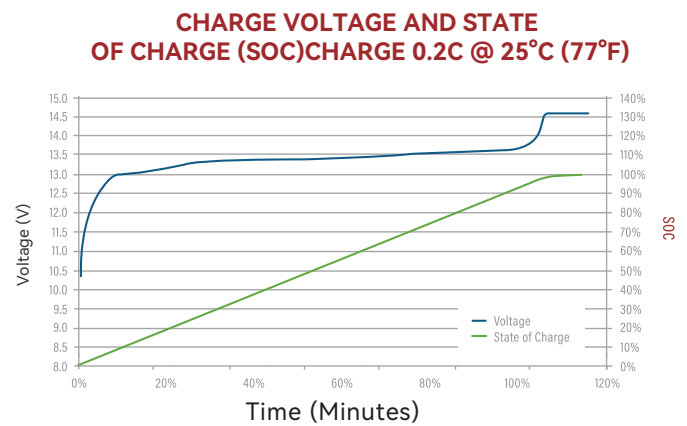
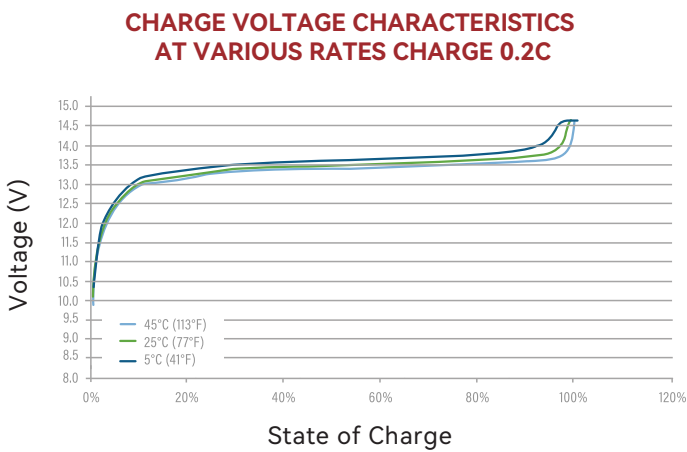
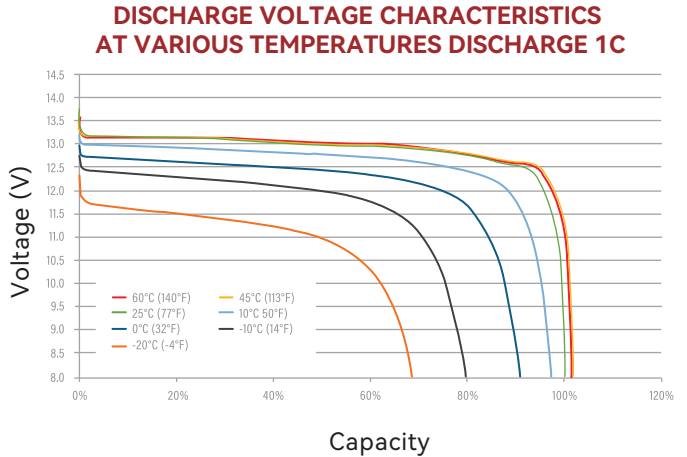
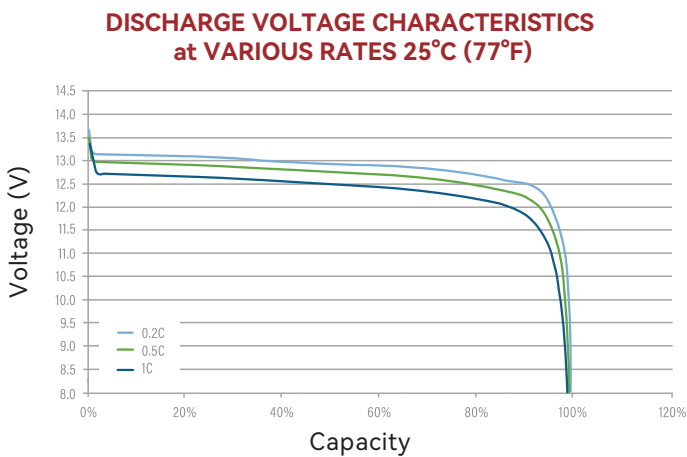
2. The heat dissipation in the cells has a big negative impact on the lifetime of the battery. Higher temperatures will reduce the lifetime drastically (each °C extra reduces the life time by 2%).

For most Li-ion batteries on the market, the cells and modules are placed together, which leads to unstable heat dissipation and local hotspots of the cells. The BSLBATT Lithium batteries have an optimal heat balance: the modules are placed to allow excellent natural venting. This venting will transfer the heat towards the forklift and will balance the overall temperature.



Optionally, the battery can be equipped with a compact fan for high-temperature cooling or a heating system for low temperatures, while a fire extinguishing system can be added inside the battery for enhanced safety.

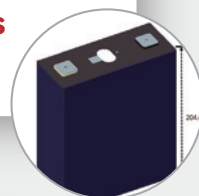
TYPICAL LITHIUM IRON PHOSPHATE CHARACTERISTICS



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

BSLBATT's forklift lithium batteries use LiFePO4 cells. Our cell has a cycle life of 3500-4500 times. In addition, some of our cells have a cycle life of more than 6000 times.

Long Life Span,high To 6000 Times

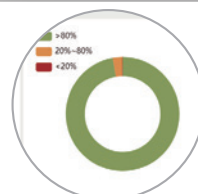


Discharge Capacity ≥100%*nominal

Battery capacity is one of the important performance indicators to measure battery performance. The actual capacity of our battery under certain conditions (discharge rate, temperature, termination voltage, etc.) ≥100%*Nominal

Our A cell is a cell that has no abnormality within the range of technical parameters that meet the national standard or above in all aspects.

Brand New Class A Cells



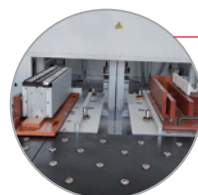
Remote Intelligent BMS

High-performance 32-bit processor and high-precision front-end sampling chip, multiple hard core technologies improve cell consistency management and estimation accuracy.

Our BMS provides remote real-time online monitoring of batteries.

We use high-quality aluminum bus bars, use laser welding to seamlessly and perfectly weld the aluminum bus bar and the lug of the cell. As well as the use of aluminum alloy and steel frames, which greatly improves the strength and stiffness of the battery pack.

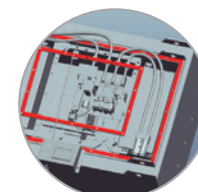
Therefore, our modules are more able to withstand the harsh working environment, charge, and discharge expansion.



Reliable Module Welding

Our battery uses a waterproof sealing ring that prevents moisture from passing through.

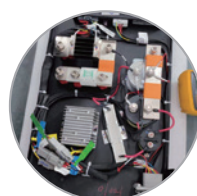
The battery case is a battery pack that is effectively protected and can prevent potentially harmful substances from damaging the battery.



Waterproof Structure

PDU integrates BMS main control, charging module, DC module, etc. our PDU has more vehicle functional modules, which are more integrated in function and more mature in structure.

The PDU configuration is flexible, and we can customize and develop it according to the customer requirements, which can meet the needs of different customers and models.



Integrated PDU

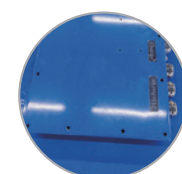
Safety is the magic weapon to ensure the smooth completion of our careers, and safety is vital to us. The battery is fully insulated and protected, and flame retardant materials are used.

Safety Material Insulated and protected with flame retardant materials



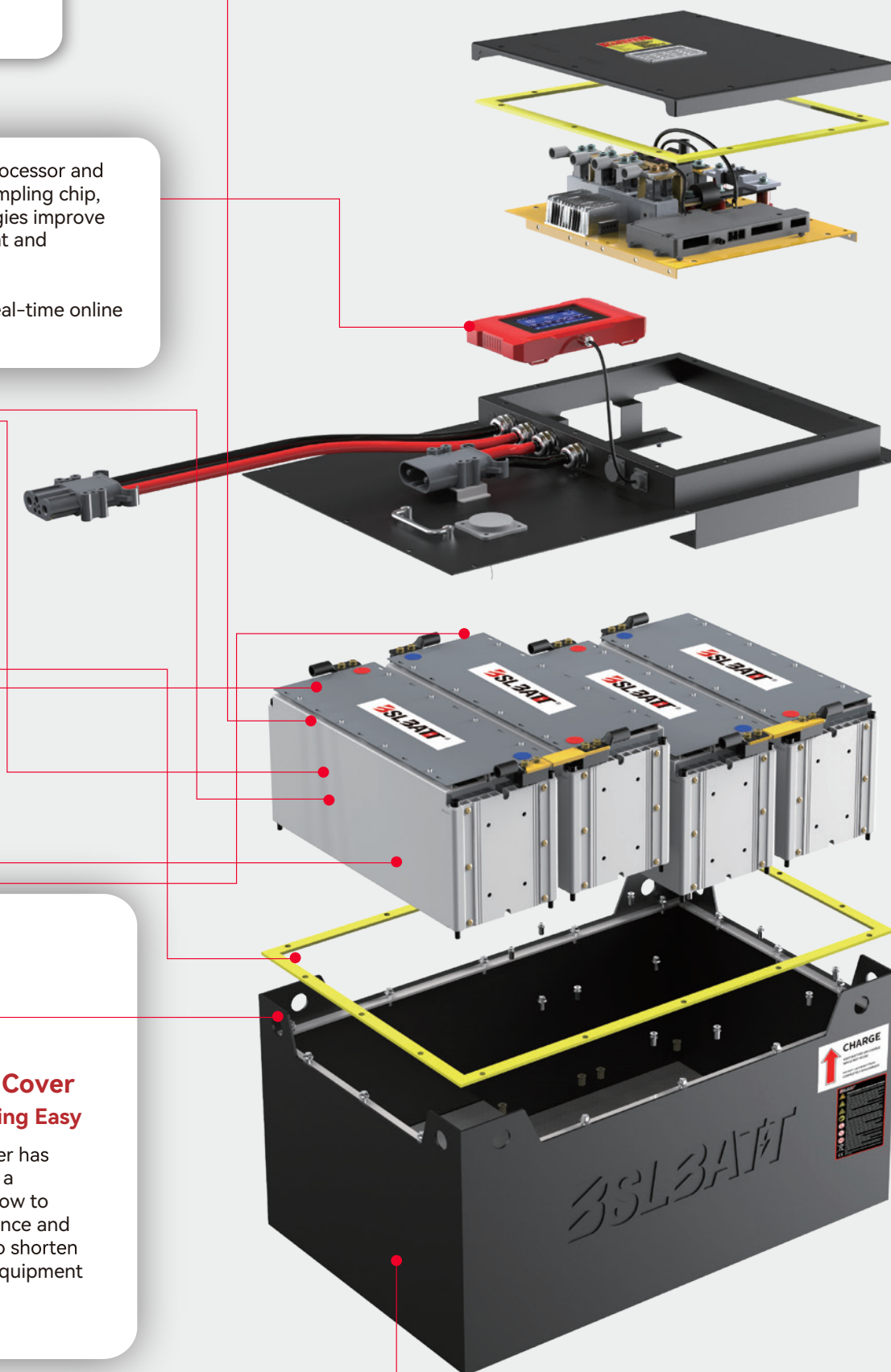
Flexible Copper Busbar

Our Bus bars are customized based on different configurations, it is flexible to operate, reliable and the lowest cost.



Maintenance Cover Makes Maintaining Easy

Battery upper cover has specially designed a maintenance window to facilitate maintenance and inspection, so as to shorten the downtime of equipment maintenance.





Pushback Tractors / Belt Loaders /
Luggage Tugs - GSE-Pack

GSE Pack

COMPARED TO DIESEL / LPG / GASOLINE

UP TO 75% LOWER COST:

- Maintenance free
- No battery swapping required for multi-shift applications
- 10-year warranty
- Typically uses 30% less energy
- The annual reduction in costs to a major airline associated with not purchasing unleaded gasoline for GSE operations at SMF is approximately \$19,100 per year.
- The switch to lithium-ion provides a yearly per tractor cost saving of \$1,277 over gasoline and \$1,028 over lead acid.



Model	Nominal Voltage (V)	Capacity (Ah)	Stored Energy (kWh)	Weight (kg/lbs)	Length(mm/inch)	Width(mm/inch)	Height(mm/inch)
B-LFP48-230MH	51.2	230	11.78	499 (1100)	815 (32.09)	406 (15.98)	500 (16.69)
B-LFP48-280MH	51.2	280	14.34	535 (1180)	907 (35.7)	415 (16.35)	610 (24)
B-LFP48-305MH	51.2	305	15.62	500 (1102)	490 (19.29)	770 (30.31)	495 (19.49)
B-LFP48-460MH	51.2	460	23.55	1256 (2770)	1060 (41.73)	450 (17.72)	555 (21.85)

Model	Nominal Voltage (V)	Capacity (Ah)	Stored Energy (kWh)	Weight (kg/lbs)	Length(mm/inch)	Width(mm/inch)	Height(mm/inch)
B-LFP80-300MH	83.2	300	24.96	555 (1224)	1250 (49.21)	578 (22.76)	580 (22.83)
B-LFP80-410MH	83.2	410	34.11	1213 (2674)	1010 (39.76)	680 (26.77)	655 (25.79)
B-LFP80-460MH	83.2	460	38.27	1700 (3748)	1015 (39.96)	680 (26.77)	795 (31.3)
B-LFP80-560MH	83.2	560	46.59	1480 (3263)	1015 (39.96)	680 (26.77)	795 (31.3)
B-LFP80-615MH	83.2	615	51.17	1500 (3307)	1015 (39.96)	680 (26.77)	795 (31.3)

Charge Temperature Range	32°F to 131°F(0°C to 55°C)
Discharge Temperature Range	-4°F to 131°F(-20°C to 55°C)

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



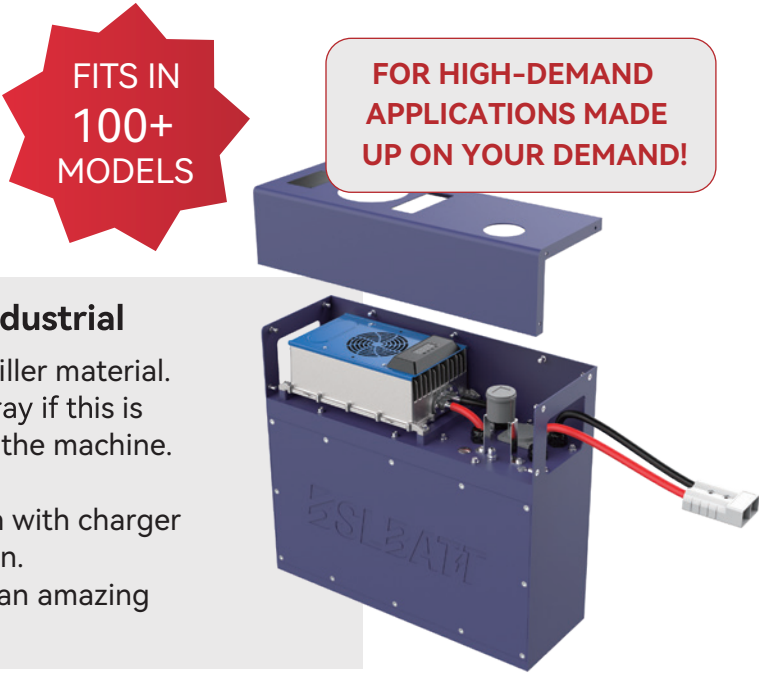
Standard And
Customizable Battery
Systems For GSE Applications

Pallet Truck Batteries

Best in class cycle life & warranty

Developed and assembled by BSL Battery - Industrial

- The tray fits perfectly in the machine without need of filler material.
- Extra weight is included in the bottom of the battery tray if this is required for BSLBATT. No need to add extra weight in the machine.
- Premium quality with high expected cycle life.
- Charging is a breeze - with the Canbus communication with charger allowing a perfect charging profile and balancing action.
- The BSLBATT Pallet Truck Batteries series comes with an amazing 5-year limited warranty.



Voltage (V)	Capacity (Ah)	Continuous Discharge Current (A)	Default Charging Current (A)	Chargers (European Standard)	Weight (KG)	Dimension (L*W*H) (MM)	Dimension (L*W*H) (IN.)
25.6	100	100	50	25.6V50A (Supply Voltage 220V)	48	650*145*585	25.59*5.71*23.03
25.6	156	150	50	25.6V80A (Supply Voltage 220V)	60	620*208*550	24.41*8.19*21.65
25.6	173	170	50	25.6V80A (Supply Voltage 220V)	63	620*208*550	24.41*8.19*21.65
25.6	205	205	100	25.6V100A (Supply Voltage 220V)	68	620*208*550	24.41*8.19*21.65
25.6	230	230	100	25.6V100A (Supply Voltage 220V)	72	620*208*550	24.41*8.19*21.65
25.6	280	250	100	25.6V100A (Supply Voltage 220V)	83	720*208*550	28.35*8.19*21.65
25.6	304	250	100	25.6V100A (Supply Voltage 220V)	86	720*208*550	28.35*8.19*21.65

* American Standard charger only 24-50A

THE BATTERY IS SUPPLIED WITH:

- Battery connector (to be specified)
- (external) LED screen: Voltage, Temp., RSOC, Current
- Drive protection between machine and charger
- Charger (standard not included): efficiency > 90%
- Compatible with Delta-Q chargers both for fast charging and night charging

ADVANTAGES:

- 100% Maintenance Free
- Opportunity charging = no need to exchange battery
- Can be charged in 2 hours (with adapted charger)
- No acid or hydrogen
- Expected lifetime: up to 4000 cycles

BSLBATT delivers solutions for every brand and size of vehicle,they are generally applied in these famous forklift brands:

BIG JOE
CATERPILLAR
CLARK
CROWN
DOOSAN
HELI
HYSTER
HYUNDAI

JUNGHEINRICH
LINDE
MITSUBISHI
RAYMOND
TCM
TOYOTA
UNICARRIERS
YALE

APPLICATIONS



Brand	Dimension (L*W*H) (In.)	Capacity 6 Hr. Rate (KWH)
BARRETT	30.56x12.75x26.25	13.97
BIG JOE	30.56x12.75x26.25	13.97
BT/PRIME MOVER	30.56x12.75x26.25	13.97
CATERPILLAR /JUNGHEINRICH	30.56x12.75x26.25	13.97
CLARK	30.56x12.75x26.25	13.97
HYSTER	30.56x12.75x26.25	13.97
KOMATSU	30.56x12.75x26.25	13.97
LINDE/KION	30.56x12.75x26.25	13.97
NISSAN	30.56x12.75x26.25	13.97
RAYMOND	30.56x12.75x26.25	13.97
RICO	30.56x12.75x26.25	13.97
TOYOTA	30.56x12.75x26.25	13.97
YALE	30.56x12.75x26.25	13.97

Lithium battery alternatives for Compact Multi-Directional Forklifts switching from lead-acid batteries.

Product Model	Forklift brand	Forklift model	Nominal voltage(V)	Lithium battery capacity(Ah)	Forklift battery compartment(mm)	Forklift battery compartment(inches)	Forklift battery weight range(kg)	Forklift battery weight range(lb.)
B-LFP24-300MH	Multi-Directional Forklift		25.6	300	412*220*702+412*220*702	16.22*8.66*27.64+16.22*8.66*27.64	335+335	738.55+738.55
B-LFP24-300MH	Multi-Directional Forklift		25.6	300	814*228*652	32.05*8.98*25.67	320	705.48
B-LFP48-820MH	Multi-Directional Forklift		48	820	620*506*830+768*506*830	24.41*19.92*32.68+30.24*19.92*32.68	630+800	1388.91+1763.70
B-LFP48-840MH	Multi-Directional Forklift		51.2	840	768*506*775+619*506*775	30.24*19.92*30.51+24.37*19.92*30.51	870+700	1918.02+1543.24
B-LFP48-840MH	Multi-Directional Forklift		51.2	840	842*744*772	33.15*29.29*30.39	1355	2987.26
B-LFP72-410MH	Multi-Directional Forklift		72	410	961*614*785	37.83*24.17*30.91	1288	2839.55
B-LFP72-690MH	Multi-Directional Forklift		76.8	690	705*518*775+903*617*775	27.76*20.39*30.51+35.55*24.29*30.51	1008+726	2222.26+1600.56
B-LFP80-560MH	Multi-Directional Forklift		83.2	560	913*847*1018+319*467*705	35.94*33.35*40.08+12.56*18.39*27.76	1190+370	2623.50+815.71
B-LFP48-460MH	Hubtex	MQ30	51.2	460	800*500*790	31.50*19.68*31.10	950	2094.39
B-LFP48-560MH	Hubtex	MQ30	51.2	560	800*500*790	31.50*19.68*31.10	950	2094.39

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

Lithium battery alternatives for heavy-duty forklifts switching from lead-acid batteries.

Product Model	Forklift brand	Forklift model	Nominal voltage(V)	Lithium battery capacity(Ah)	Forklift battery compartment(mm)	Forklift battery compartment(inches)	Forklift battery weight range(kg)	Forklift battery weight range(lb.)
B-LFP80-920MH	YALE	YALE ERP50VMG	83.2	920	1024*995*777	40.31*39.17*30.59	2280	5026.54
B-LFP80-560MH	YALE	YALE ERP45VM	83.2	560	1024*995*777	40.31*39.17*30.59	2280	5026.54
B-LFP80-820MH	YALE	YALE ERP50VM	83.2	820	1024*995*777	40.31*39.17*30.59	2280	5026.54
B-LFP80-1380MH	YALE	YALE ERP50VM	83.2	1380	1024*995*777	40.31*39.17*30.59	2250	4960.40
B-LFP80-920MH	RANIERO	RANIERO	83.2	920	1100*830*680	43.31*32.68*26.77	990	2182.58
B-LFP80-1120MH	HYSTER	HYSTER M0064	38.4	1120	790*580*760	31.10*22.83*29.92	1350	2976.24
B-LFP96-1200MH	RANIERO	RANIERO	96	1200	1430*1380*627	56.30*54.33*24.69	1292	2848.37
B-LFP96-1200MH	CARERZ	CARERZ 70 H2	96	1200	1310*1310*708	51.57*51.57*27.87	2710	5974.53

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

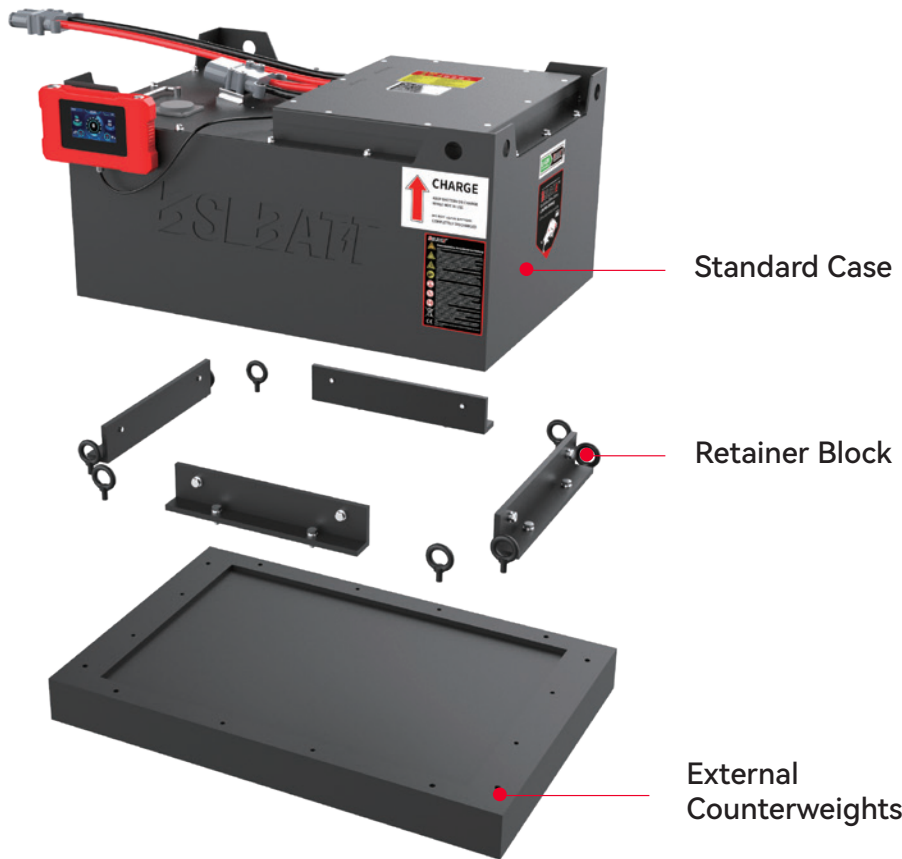
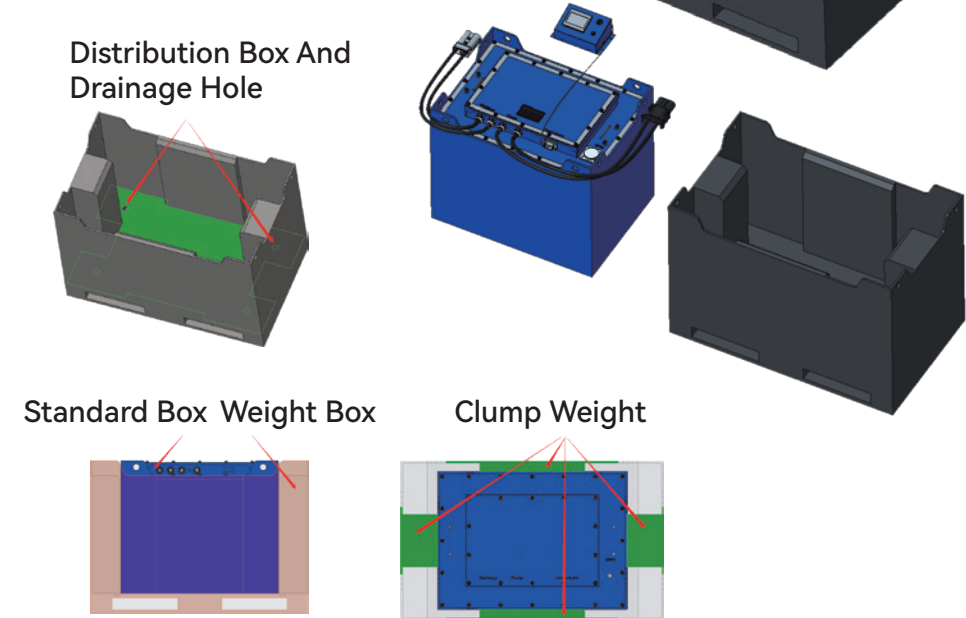


① Black box technology with counterweight placed at the bottom

Your next truck might have a different compartment? Simply update your weight module to fit the new dimensions, weight and most optimized charge socket location.

Standard options

Relay remote solution, magnetic touch screen, charging and discharging interface, discharging Anderson 350, charging REMA320, charging relay 300A, discharging relay 600A.



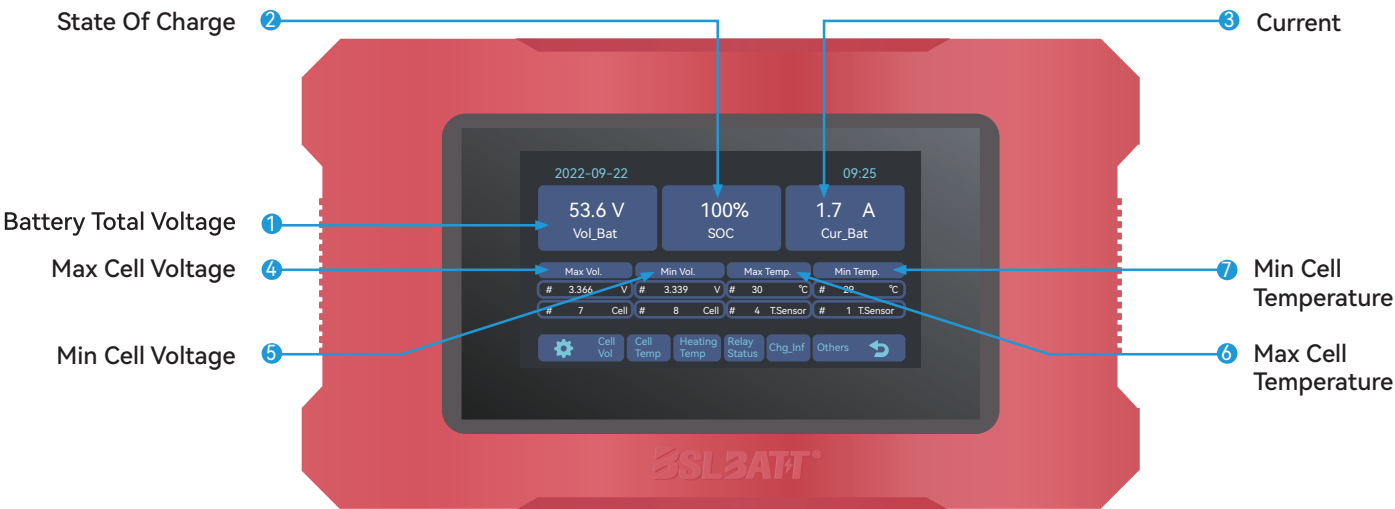
② A counterweight technology is placed around the black box

Your next truck might have a different compartment? Simply update your weight module to fit the new dimensions, weight and most optimized charge socket location.

LiFePO4 Forklift Battery Components

Superior Power & Optimal Performance

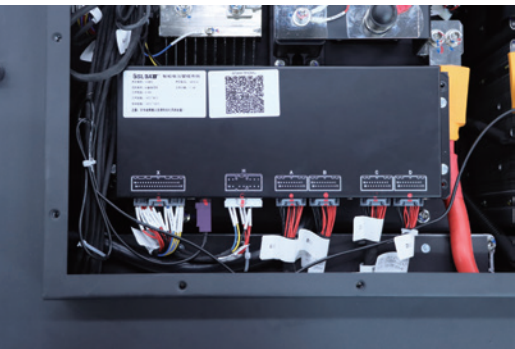
The latest 4.3 inch magnetic screen



Battery Management System (BMS)

The built-in BMS is equipped with automotive-grade components assuring safety, top quality and high energy density to provide a fully optimized solution for demanding industrial applications.

BMS software ensures the battery provides peak performance when in operation, delivers longer run time between charges, maximizes the total battery lifespan and to communicate well between the charger, battery and users.



The BMS can offer:

All-time Cell Balancing and Battery Management.

Through intelligent balancing strategy, the BMS can always maintain the consistency of the cells and realize the balance between individual cells.

Battery Real-time Monitoring and Communication Through CAN.

Monitoring cell voltage, electric current and battery temperature so that any movement outside the normal range disconnects the cell or the entire battery.

Fault Alarm and Safety Protection.

When the battery is less than 10%, it will beep to prompt for charging, over/under voltage, low/over temperature, over current or other faults will prompt to make the battery safe. Safety always comes first.

Create fleets.
Monitor each of your batteries:

BSL Cloud platform

CLOUD-BASED TELEMATICS AND ASSET MANAGEMENT

Keep your fleets running around the clock with intelligent fleet management

Track usage patterns and diagnose issues remotely for real-time monitoring, maximum efficiency and operator safety—BSL BMS will notify you before an issue occurs. View battery performance and data, monitor fleet activity, and generate real-time metrics from the web portal.



WORKFLOW

BENEFITS

- View/share real-time data
- Diagnose issues remotely
- Manage maintenance costs
- Impact energy usage and savings
- Optimize operator safety
- Improve productivity
- Eliminate unplanned downtime
- Avoid unexpected breakdowns
- Monitor equipment allocation
- Real-time alerts
- Optional GPS tracking capability

ADVANTAGES

- Real-time fleet monitoring
- Performance metrics and data reports
- Generate custom alerts to notify multiple users
- Aggregate data to identify over/under utilized batteries
- Optimize operator practices
- Password-protected account
- Custom user permissions and functionality
- Saves 1 month of full debug data locally
- Wi-Fi/Cellular/Bluetooth compatibility



24V Series

Charger model	Rate input voltage	Output voltage range(V)	Rate output current(A)
BSL24V-50A	220VAC Single phase	16-32 VDC	50
BSL24V-100A		16-32 VDC	100
BSL48V-50A		18-60 VDC	50
BSL48V-100A		18-60 VDC	100
BSL24V-150A	380VAC Three phase five-wire	16-32 VDC	150
BSL24V-200A		16-32 VDC	200
BSL48V-100A		18-60 VDC	100

** We don't list all our charger here, please contact our sales for other charger model

48V/80V/150V Series

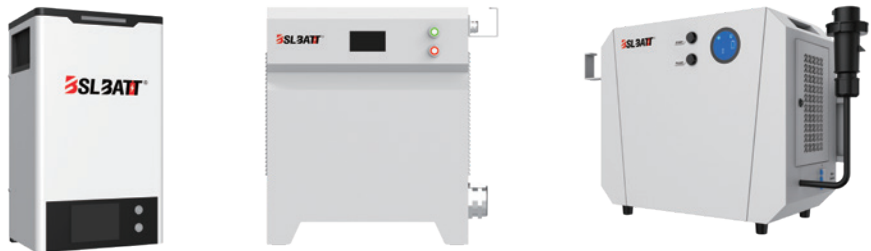
Charger model	Rate input voltage	Output voltage range(V)	Rate output current(A)
BSL48V-100A	380VAC Three phase five-wire	20-65 VDC	100
BSL48V-150A		20-65 VDC	150
BSL48V-200A		20-65 VDC	200
BSL48V-250A		20-65 VDC	250
BSL48V-300A	380VAC Three phase five-wire	20-65 VDC	300
BSL80V-100A		30-100 VDC	100
BSL80V-150A		30-100 VDC	150
BSL80V-200A		30-100 VDC	200
BSL80V-250A		30-100 VDC	250
BSL80V-300A	380VAC Three phase five-wire	30-100 VDC	300
BSL150V-100A		60-200 VDC	100
BSL150V-200A		60-200 VDC	200

** We don't list all our charger here, please contact our sales for other charger model

48V/80V/150V Series

Charger model	Rate input voltage	Output voltage range(V)	Rate output current(A)
BSL48V-200A-480UL	400V	30-65 VDC	200
BSL80V-200A-480UL	Three phase five-wire	30-100 VDC	200
BSL48V-200A-220UL	220VAC Three phase five-wire	30-58 VDC	200
BSL80V-200A-220UL		30-100 VDC	200

** We don't list all our charger here, please contact our sales for other charger model



BSL Battery Compatible
Brands Charger



BSLBATT AND SPE CHARGER



BSL Forklift Lithium Batteries join the SPE Industrial Electronics Charger Manufacturer's Compatibility Program.



BSLBATT AND FRONIUS CHARGER

BSLBATT Battery announced that it has joined Fronius Perfect Charging's new partner program "Charger Compatibility".



BSLBATT IS PART OF THE CHARGED BY DELTA-Q PROGRAM

BSLBATT Batteries announces a new partnership with Delta-Q Technologies, a Tier 1 OEM charger manufacturer.



24V/48V/80V/Wall Mounted/EV Charger

This series of chargers have their own wheels, which are easy to move and install. They can also be designed in other fixed ways according to customer requirements.



THE STORY

- 2024**
- Expanded the manufacturing base to over 20,000 square meters.
 - Establishment of the MiNI manufacturing base in Turkey.

- 2023**
- Opening of the European office and warehouse in the Netherlands.
 - Establishment of an after-sales service center covering the entire Americas in Mexico City.

- 2022**
- 2,000 square meters of office and warehouse in Dallas, Texas, USA
 - Dongguan Qingxi Town opened a 4,000 square meters energy storage factory
 - Products became the first domestic UL 2580, IEC61619 and UL1973 certification

- 2021**
- HUIZHOU BSL NEW ENERGY COMPANY CO., LTD
 - Motive division Different Cell's technology From wisdom.

- 2020**
- The second generation module is explored.
 - Oil-based batteries are being used in industrial vehicles and forklifts.

- 2018**
- The lithium motive division is quickly developing.
 - The first generation module is explored and offered to customers (ESS & MOTIVE)

- 2017**
- The lithium ess division is quickly developing.

- 2014**
- Start lithium Battery forklift Lithium battery Factory (BSLBATT)-watercells
 - Factory in ANHUI province

- 2012**
- HUIZHOU WISDOM POWER TECHNOLOGY CO.,LTD

- 2011**
- WISDOM INDUSTRIAL POWER CO., LIMITED
 - Now known as BSL NEW ENERGY(HONGKONG) CO., LIMITED

Specifications of batteries for **material handling equipment**

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
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24V system

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

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-LFP36-615MH		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

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.)		

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

*UL Solutions Approved

Specifications of batteries for **material handling equipment**

Model	Nominal voltage	Nominal capacity	Stored energy	Dimensions (mm)	Number of module methods	Standard case weight	Casing material	IP rating
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48V system

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

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

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		2P*4S*6+2P*2S*1	650kg(1433.00lbs.)		
B-LFP80-608MH		608Ah	48.64kWh	1015*810*400		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.)		

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