

**BSLBATT®**

**Pallet Jack**  
Series

**The Best Lithium Battery  
designed specifically for  
Pallet Jack**



**TÜVRheinland®**  
Genau. Richtig.



Dramatically Lowers Your Costs

Safer Technology!

Improved  
Productivity!



# PALLET JACK Series

## 24v Lithium-ion Forklift Batteries

These batteries keep your equipment ready anytime you need it up to 3 shifts a day. Ideal for any warehouse, manufacturing and box truck deliveries.

BSLBATT Pallet Jack lithium batteries are designed to power everyday operations:

- Box/delivery trucks with lift gates
- Loading docks
- Tight spaces in manufacturing areas
- Coolers and freezers
- Meat rendering(chicken,beef,pork,fish)



BSLBATT Lithium has optimized the safety and performance of lithium-ion for material handling equipment and other industrial applications. Lithium Iron Phosphate (LiFePO4) cells were selected because they are one of the safest choices compared to other lithium-ion chemistries

The Pallet Jack Series is capable of integrating. This provides a seamless transition for operators when switching to lithium-ion.

The integration features include:  
Accurate battery discharge indicator  
Lift lockout at low state of charge  
Early warning for safe shutdown

Energy. Endurance. Power.



## 24 V Small Diamond Standard Box

Voltage platform (V)	25.6	25.6	25.6	25.6
Capacity (ah)	135	230	280	344
Electric quantity (KWH)	3.456	5.888	7.168	8.8064
Dimension (LWH mm)	621*209*627mm	621*280*627mm/ 612*280*627mm	621*280*627mm/ 800*213*785mm	800*213* 785mm
Weight of box +battery (kg)	80	97/105	115/164	194
Counterweight (kg)	60/130	183/175	165/116	176
Total weight (kg)	140/210	280	280	370
Rated discharge current (a)	135 ( 1C)	230 ( 1C)	280 ( 1C)	344 (1C)
Peak discharge current (a)	405 ( 3C&15S)	460 ( 3C&10S)	560 ( 2C&60s)	688 (2C&120S )
Standard charging current (a)	100	100/150	100/ 150/200	100A/ 150A/200
Discharge temperature range	-20°C-55°C	-20°C-55°C	-20°C-55°C	-20°C-55°C
Charging temperature range	0°C-56°C	0°C-56°C	0°C-56°C	0°C-56°C

## HOW BSLBATT LITHIUM TECHNOLOGY MAKES THE DIFFERENCE

### BATTERY MANAGEMENT SYSTEM (BMS)

Designed and engineered from the ground up by a team of battery experts, BSLBATT' S Pallet Jack Series TUV-certified lithium battery was built specifically to meet the power and energy requirements in electric motorized hand trucks and walk behind pallet jacks. By eliminating the "maintenance/acid adding operation" often required with lead-acid batteries, operators can complete their task without having to stop, charge and wait!

### FULL INTEGRATION

BSLBATT' s Pallet Jack Series features all the benefits of lithium batteries - longer life, no maintenance, faster charging - with even more intelligent features built-in. From its superior battery design to its one-of-a-kind BMS and intuitive software, BSLBATT 24V batteries offer exclusive advantages you won't find in competitor's products. Making it an exceptional return on your investment for years to come.

### LITHIUM-IONCELLS

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### OPTIONS

260A high efficiency onboard charger



## Quality & Reliability

# L<sup>i</sup>-ION

BSLBATT Lithium-Ion-Power

## Quality & Reliability Based on Innovation



### Battery Interface

#### BSLBATT Lithium

- ⊖ Charging selection button  
fast standard slow
- ⊖ On-board State of Charge display
- ⊖ Single power-ON mounted on the battery
- ⊖ Two integrated power plugs for easier recharging without removing the battery from the forklift

### BMS & Power circuit

- ⊖ Continuous monitoring of crucial operating parameters (voltage, temperature and current)
- ⊖ Fully regulated charge / discharge procedure and integrated balancing function for maximum protection and enhanced battery cycle life.
- ⊖ -Indicate the State of Charge (SoC)
- ⊖ Industrial design that optimizes cable management and allows easy access to all compartments of the battery.

### Modular Design

- ⊖ Maximum safety
- ⊖ Full monitoring and balancing per cell
- ⊖ Robust construction
- ⊖ Serviceability

### Battery Housing

- ⊖ Available in all sizes (standard DIN trays of customized upon request).
- ⊖ Retrofit in conventional trays of Lead-Acid powered forklifts
- ⊖ Additona Compartment designed for counterweight to meet weight requirements
- ⊖ Durable housing allowing easy handling
- ⊖ Serviceability
- ⊖ Flexibility on special demand

# Why the BSLBATT PALLET JACK Series?



## The Right Choice

- BSLBATT lithium batteries are drop-in solutions
- Outlasts equivalent lead-acid batteries
- Top quality standards and proven results in many applications and industries across America and Europe



## Performance

- Single battery operation
- Little or no voltage drop
- Fast travel speed at all levels of discharge



## Improve Safety and Sustainability

- No acid fumes or spills
- Reduce use of electricity
- Less waste
- 99% recyclable



## Lower Total Cost of Ownership

- 20-40% in 2-4 years (compared to lead-acid)
- Two to three times the cycle life of a lead-acid battery
- Save the labor or service contract dollars to water batteries
- Return battery room space to the best use
- Reduce electricity use by as much as 30% due to better energy conversion
- Reduce or eliminate costs to cool charging areas and warehouse





## LONGER OPERATING TIMES

▶ "LEAD OUT- LITHIUM IN"



### **BSLBATT® LITHIUM-ION BATTERY**

- Operating time approx. 21 - 22 h.
- Fast/Opportunity charging times approx. 2-3 h.



The operating time of the lift truck increases due to flexible fast/opportunity charging of the battery system.

### **BULLPOWER® LEAD-ACID BATTERY**

- Operating time approx. 8 h.
- Charging time/rest periods approx. 16 h.



Your lift truck can be used virtually "AROUND THE CLOCK" without a Battery change.

ENDURANCE, PRODUCTIVITY AND  
MAXIMUM PERFORMANCE UNDER  
ALL CONDITIONS

**BSLBATT®**

Energy. Endurance. Power.



PARTS & ACCESSORIES DIVISION

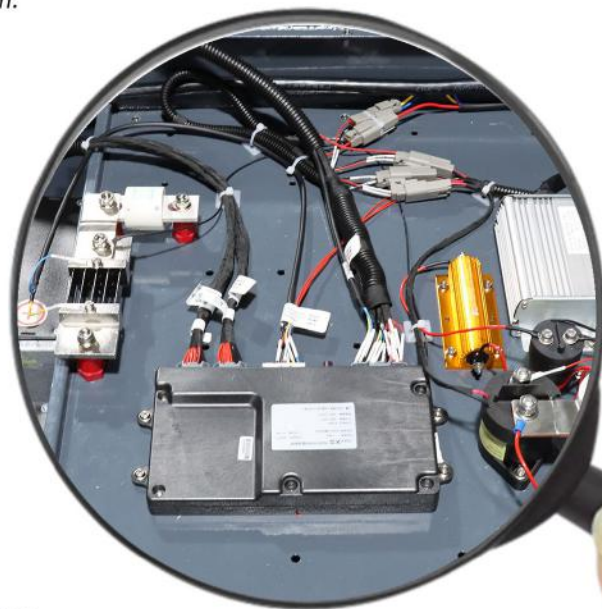
## Industrial Batteries Division



BSLBATT Lithium is your all-round manufacturer of Lithium battery for material handling, industrial vehicles and agricultural equipment. You get fast answers on any offer, order or technical question from our dedicated sales and technical departments.

We continually expand our market range by following new trends and looking for new partnerships, to make sure you will find absolutely everything you need right here at BSLBATT Lithium.

- More than 50 000 m<sup>2</sup> of warehousing
- Computer-controlled stock management
- 950+ Models Of Lithium-Ion Batteries
- Technically-skilled employees
- Assistance in 5 languages
- Sample within 30 days, delivery within 60 days.
- 50+ Compatible Forklift Brands
- Webshop & online support



## Strong brands, guaranteed quality

We understand that the success of our company only exists if we are a trusted source of products and services that contribute to your success. This is why BSLBATT's products can be compatible with top brands.

Read all about this under 'Brands we can provide batteries' on [www.lithiumforkliftbattery.com](http://www.lithiumforkliftbattery.com)



Not seeing the brand that you need? We can provide custom custom design services for your forklift brand and add it to our list. The average build time for custom lithium batteries and battery management software ranges from 1-2 months depending on the vehicle quantity and customization.



BSLBATT is aiming to help, support and train  
our distributors being the "NO 1 LiFePO4 Forklift  
Battery Supplier In Local  
Lead acid Battery Replacement Market"



INQUIRY@BSL-BATTERY.COM

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



PARTS MOVIE



INDUSTRIAL BATTERIES



PARTS MOVIE