

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



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THE PROVEN LEADER IN LITHIUM-ION MOTIVE POWER BATTERY

Forklift Charger Brochure



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THE POWER BEHIND THE FORKLIFT



12+

Years Lithium Experience

15000

Lithium Batteries Deployed Worldwide

60+

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 5

China Forklift Lithium Battery Supplier

60+
Countries

Global Deliveries

6.2%

Continuous R&D Investment

Certification



Company Profile

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.

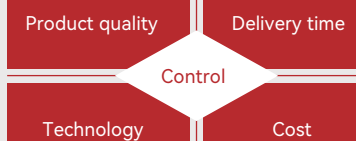
Battery Management System (BMS) and cloud platform technologies, provide customers with better performance, lower cost of ownership, and greener solutions than traditional lead-acid and propane batteries in many usage scenarios. Lithium-ion battery packs reduce CO2 emissions and help improve fleet sustainability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



Quality

High-quality Products and Automation Production Lines

**Vertically Integrated
Production Process**



**Worldwide
Certifications**



**3
Professional Labs**



1 Certified of **CNAS**



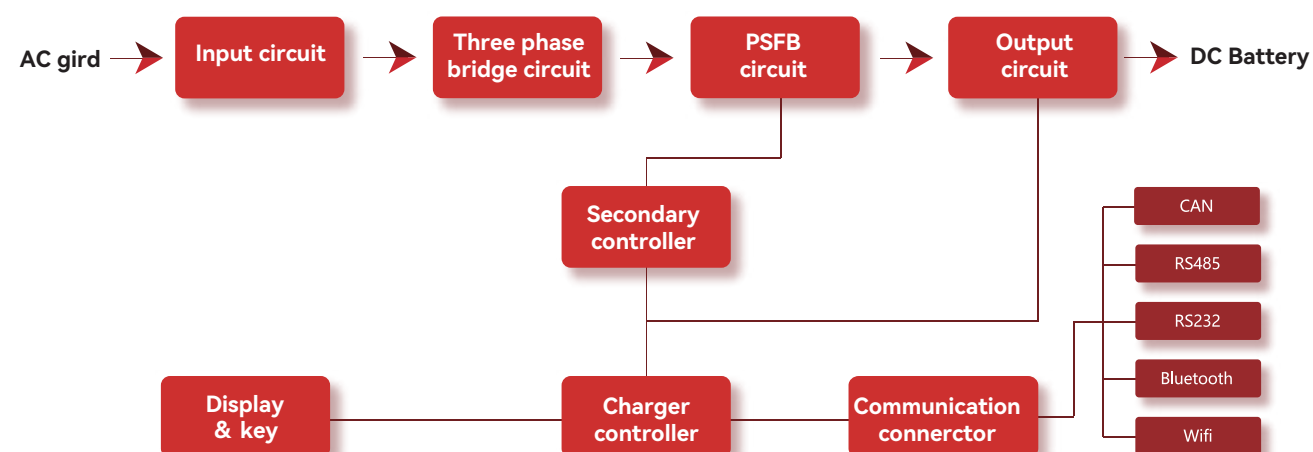
SUMMARY OF THIS SERIES OF PRODUCTS

This series of high-frequency chargers have high conversion efficiency, high precision of voltage stabilization and current stabilization, and low ripple of output current. Owing to the high-frequency switching technology, the charger has the characteristics of saving electricity, easy control, adjustable wide range, small size and light weight.

OVERVIEW OF WORKING PRINCIPLE

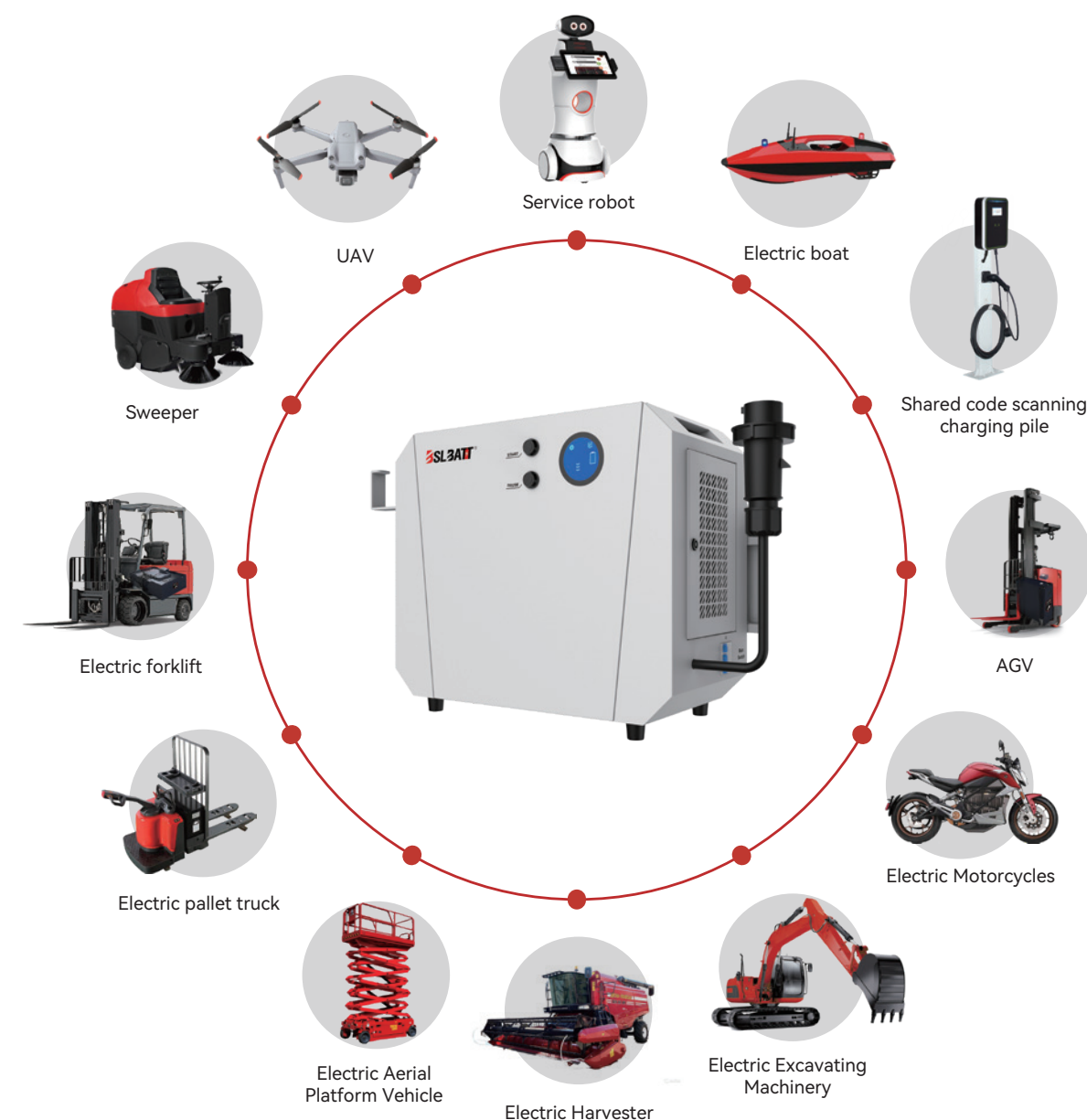
The charger is mainly composed of rectifier filter circuit, high-frequency switching inverter circuit, PWM control circuit, output rectifier wave circuit, reverse protection, short circuit protection, hardware protection circuit and auxiliary power source circuit.

System Architecture Diagram



Application Scenario

Focusing on power electronics technology, empowering smart energy, and creating a green and beautiful future together!



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



Excellent Electrical Properties

Adopts PFC+ LLC soft switching technology, high input power factor, low current harmonics, small voltage and current ripple, high conversion efficiency, and module power with high density.



User-friendly And Convenient UI Interface

The ergonomic appearance design is equipped with a user-friendly and convenient UI interface. The charging information status display, charging operation, and setting functions are realized through the LCD touch screen LED + button man-machine interface.



Wide Input Voltage Range

Input voltage is AC90V~ 265V, which can provide battery with stable and reliable temperature control function during charging under the unstable power supply environment of the battery.



Complete Protection And Self Diagnosis Functions

The product has the functions of overcharge protection, overvoltage protection, overcurrent protection, overtemperature protection, overtemperature protection for contection, leakage protection abnormal protection, etc, and realizes self-diagnosis and faults Display.



Fast And Safe And Smart Charging

With lithium battery BMS CAN communication, to realize intelligent management of battery charging and fast charging and long lithium battery life through BMS to ensure lithium battery with fast stable and safety.



Modular Design

Adopts design of hot-swappable modular installation, simplifies the maintenance and replacement of product components, reduces the technical requirements for users, reduces average maintenance time.

	Input Connector	Output Voltage Range	Output Power	Output Connector	Output Cable Specifications	Weight	Dimension (L*W*H)
B-LFP24-200	16A 4-pole industrial plug	16-20V 150A 20-30V 200A	6kW	REMA 320A female	70 mm ²	38 ± 1 kg	600*300*500
B-LFP48-100	16A 4-pole industrial plug	30-60 V	6kW	REMA 160A female	25 mm ²	38 ± 1 kg	
B-LFP48-150	16A 4-pole industrial plug	30-60 V	9kW	REMA 160A female	50 mm ²	38 ± 1 kg	
B-LFP48-200	32A 4-pole industrial plug	30-100 V	12kW	REMA 320A female	70 mm ²	40 ± 1 kg	
B-LFP80-150	32A 4-pole industrial plug	30-100 V	15kW	REMA 160A female	50 mm ²	40 ± 1 kg	
B-LFP80-200	32A 4-pole industrial plug	30-100 V	20kW	REMA 320A female	70 mm ²	40 ± 1 kg	