

CORE 80-32

Lithium Ion Battery Pack

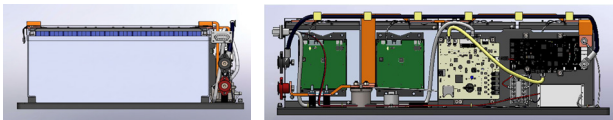


ELECTRICAL SPECIFICATIONS

Voltage (Nominal)	76.8 V
Capacity @ C/5, 25 °C (Typical)	412 Ah
Energy	31.6 kWh
Recommended Charge Voltage	87.6 V
Discharge Cutoff Voltage	60 V
Charge Float Voltage Range	82.8 - 87.6 V
Continuous/Peak Current (10s)	206 A/412 A
Recommended Charge CCCV	87.6 V
Telemetry	Optional
Operating Temperature*	-40 to +55 °C
Integrated Heating	Yes

MECHANICAL SPECIFICATIONS

Max Height (with bolts)	271 mm
Max Width (with bolts)	600 mm
Max Length (with bolts)	913 mm
Weight	248 kg
Communications	CAN
IP Rating	IP67



All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate. *Performance may be limited at extreme temperatures, please consult with Lithion for further information.

KEY FEATURES & ADVANTAGES

Lithion Battery offers safe, reliable, and mobile energy solutions for **GSE vehicles**. With a high-performance 76.8V design based on **Lithium Iron Phosphate** chemistry, it provides superior safety, long cycle life, and **zero maintenance**.

Ideal for: Baggage Tractor, Pushback Tractor, Passenger Stairs, and Belt Loader



Telemetry

Gain complete visibility of your battery fleet with optional cloud-based telemetry. Monitor battery location, charge status, health and operating data in real time to improve asset utilisation, support predictive maintenance and reduce total cost of ownership.

Efficient & Fast Charging

High charge efficiency of >90%. Increases productivity, reduces energy costs and eliminates the need for investments in battery change out systems.

High, Uniform Discharge Voltage

Delivers stable voltage during discharge. Increases equipment performance and reduces motor heat.

Robust Safety

Multiple levels of protection prevent operation outside of current, voltage, and temperature limits.

- Inherently safe LFP technology
- No corrosive acid leaks
- No explosive gassing

Lithion Proprietary XB BMS

- CANBus communication
- Designed to pass rigorous safety certifications (E.g. UL and IEC regulations)
- Optional remote monitoring capability*
- State of Health
- Real-time clock and event logging

Environmentally Safe

Does not contain toxic metals such as cobalt, lead, cadmium, nor any corrosive acids or alkalis.

GLOBAL BATTERY PARTNER

Our packs are built in the U.S. and supported by teams around the world.

CONTACT

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