

CORE 80-32C

Lithium Ion Battery Pack

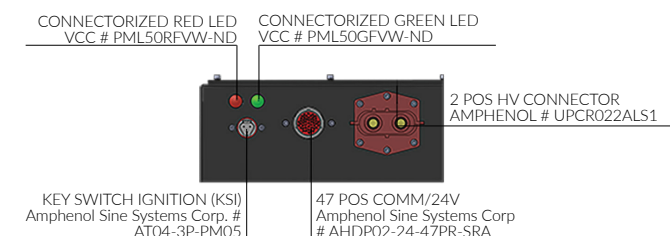


ELECTRICAL SPECIFICATIONS

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
Active Liquid Cooling	Yes

MECHANICAL SPECIFICATIONS

Max Height (with hardware)	355 mm
Max Width	560 mm
Max Length (with connectors)	975.2 mm
Weight	250 kg
Base Length	900 mm
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, Catering Truck, 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.

Active Liquid Cooling

Integrated liquid cooling maintains optimal cell temperatures, supporting consistent power delivery, extended cycle life, fast charging capability and reliable operation across demanding duty cycles.

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

Americas

america-sales@lithionbattery.com

Europe / UK

emea-sales@lithionbattery.com

