



CORE 48-5.1

Lithium Ion Battery Pack



ELECTRICAL SPECIFICATIONS

Voltage	51.2 V
Rated Capacity	100 Ah
Recommended Charge Voltage	58.4 V
Discharge Cutoff Voltage	40 V
Recommended Charge Current	< 50 V
Max. Continuous Discharge Current	400 A
Parallel Scalability	6 Units
Cycle Life	5000 @ 80% DoD
Charge Temperature	0 to 45 °C
Discharge Temperature	-25 to 65 °C

MECHANICAL SPECIFICATIONS

Height	240 mm (9.45 in)
Width	300 mm (11.81 in)
Length	400 mm (15.75 in)
Weight	48 kg (105.6 lbs)
Cell Configuration	16s 1p
Enclosure Material	Metal
IP Rating	IP67

KEY FEATURES & ADVANTAGES

Lithion Battery offers safe, reliable, and mobile energy solutions for storage and transportation. With a high-performance 51.2V design based on **Lithium Iron Phosphate** chemistry, it provides superior safety, long cycle life, and zero maintenance.

Ideal for: Golf Carts, AGVs, GSE, UTVs, Electric Utility Vehicles



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 alkalies.

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