



# CORE 48-11.8

Lithium Ion Battery Pack



## ELECTRICAL SPECIFICATIONS

<b>Voltage (Nominal)</b>	51.2 V
<b>Capacity @ 1 °C, 25 °C (Typical)</b>	230 Ah
<b>Energy</b>	11.78 kWh
<b>Recommended Charge Voltage</b>	58.4 V
<b>Discharge Cutoff Voltage</b>	40 V
<b>Charge Float Voltage Range</b>	55.2 - 58.4 V
<b>Continuous Current / Peak (10s) / Peak (2s)</b>	230 A / 460 A / 700 A
<b>Recommended Charge Voltage</b>	58.4 V
<b>Discharge Temperature</b>	-10 °C to 50 °C
<b>Charge Temperature</b>	0 °C to 45 °C
<b>Recommended Charge CCCV</b>	≤ 230 A to 58.4 V

## MECHANICAL SPECIFICATIONS

<b>Height (Excluding bolts/lift)</b>	246 mm (9.69 in)
<b>Width (Excluding mounting)</b>	320 mm (12.60 in)
<b>Length (Excluding connectors)</b>	880 mm (34.65 in)
<b>Weight</b>	82.5 kg (181.88 lbs)
<b>Terminal Hardware</b>	M8 x 1.25
<b>Terminal Torque</b>	15 N.m. (132.76 in-lbs)
<b>IP Rating</b>	IP67

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All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate.

## KEY FEATURES & ADVANTAGES

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

**Ideal for: 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.

## CONTACT

### Americas

america-sales@lithionbattery.com

### Europe / UK

emea-sales@lithionbattery.com



[lithionbattery.com/lithion-solutions/home](https://lithionbattery.com/lithion-solutions/home)