

CORE 350-35

Lithium Ion Battery Pack



ELECTRICAL SPECIFICATIONS

Voltage (Nominal)	333 V
Capacity @ 1 °C, 25 °C (Typical)	105 Ah
Energy	35 kWh
Max Charge Voltage	379.6 V
Discharge Cutoff Voltage	260 V
Max Charge Current	50 A
Max Discharge Current	105 A
Battery Configuration	104S1P
Temperature	Heated battery allows operation below 0 °C / 32 °F. Available with or without thermal cooling.
BMS Requirements	12V AUX battery input for BMS power

MECHANICAL SPECIFICATIONS

Height	260 mm (10.24 in)
Width	673 mm (26.50 in)
Length	1314 mm (51.73 in)
Weight	317 kg (698.9 lbs)
Communications	CAN

KEY FEATURES & ADVANTAGES

Lithion Battery offers safe, reliable, and mobile energy solutions for storage and transportation. With a high-performance 333 V design based on **Lithium Iron Phosphate** chemistry, it provides superior safety, long cycle life, and zero maintenance.

Ideal for: Construction, ePTO, Off-highway 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 alkalis.

CONTACT

Americas

america-sales@lithionbattery.com

Europe / UK

emea-sales@lithionbattery.com

