



## Tailored Battery Solutions

The first high energy density battery pack built specifically for medium duty vehicles.



### Scalable Cost Savings

Battery packs are scalable in 35 kWh increments to economically support customer needs.



### Safe and Certified

Multilevel short circuit protection at the cell, pack, and system level. Tested according to UN 38.3 and UN ECE R100.



### Fast and Efficient Technology

Advanced liquid-cooled battery packs enable rapid charging speeds (up to one-hour fast charge).



### Space-Saving Design

Designed for space efficient integration into industry-standard medium duty frame rails.



# Battery Pack Features and Specifications

## Energy & Performance

Voltage Range (nominal)	480V – 805V
Voltage Range (operable)	520V – 800V
Useable Energy	35 kWh
Dimensions (L x W x H)	920 x 702 x 258 mm / 36.2 x 27.6 x 10.2 in
Mass	210 kg / 462 lbs
Volume	163 L
Gravimetric Energy Density (nominal)	170 Wh/kg
Volumetric Energy Density (nominal)	215 Wh/L
Fast Charge	1 Hour Fast Charge (20% SOC to 90% SOC)
Peak Output Power	110 kW
Continuous Output Power	40 kW
Cycle Life <sup>1</sup>	> 2000 Cycles
Cell Chemistry	NCA

## Thermal

Module Construction	Aluminum HPDC Monolithic Coldplate
Cooling Medium	50/50 Water/Ethylene Glycol
Coolant Flow for Fast Charge	6 LPM
Heat Rejection Rate	> 2.4 KW

## Safety & Environmental

Ingress Protection	IP6k9k
Operating Temperature Range <sup>2</sup>	-30°C to 55°C / -22°F to 131°F
Corrosion Resistance	Tested in accordance with GMW 14872 and ASTM B117 (20 years)
Mechanical – Random Vibration	Tested in accordance with SAE J2380
Battery Safety Testing	UN 38.3 and UN ECE R100

<sup>1</sup> End of life is defined as 60% capacity retention. Fast charge cycles are not covered by the cycle life warranty.

<sup>2</sup> Performance limitations apply when operated close to temperature limits.

Specifications are subject to change without notice.  
All specifications are "per pack." Multiple parallel packs are utilized in typical operation.  
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