



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
Usable 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
Cell Chemistry	NCMA

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 ¹	-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	Tested in accordance with UN 38.3 and UN ECE R100

¹ 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. Copyright © 2025 Harbinger
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