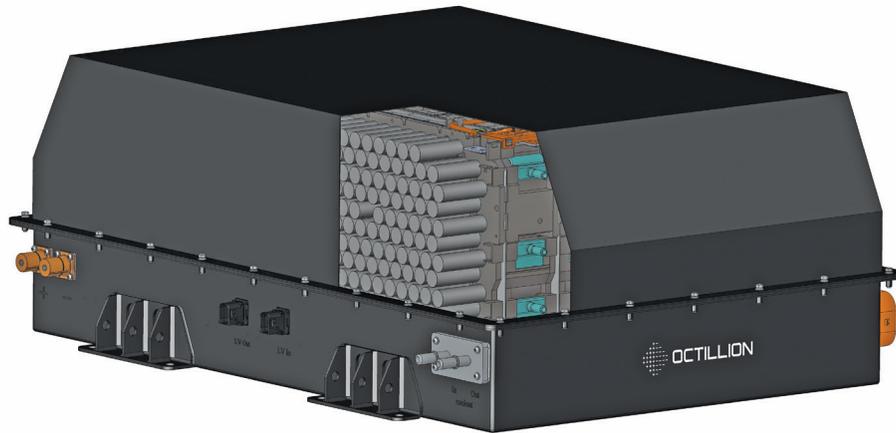

325V 36kWh Battery Pack



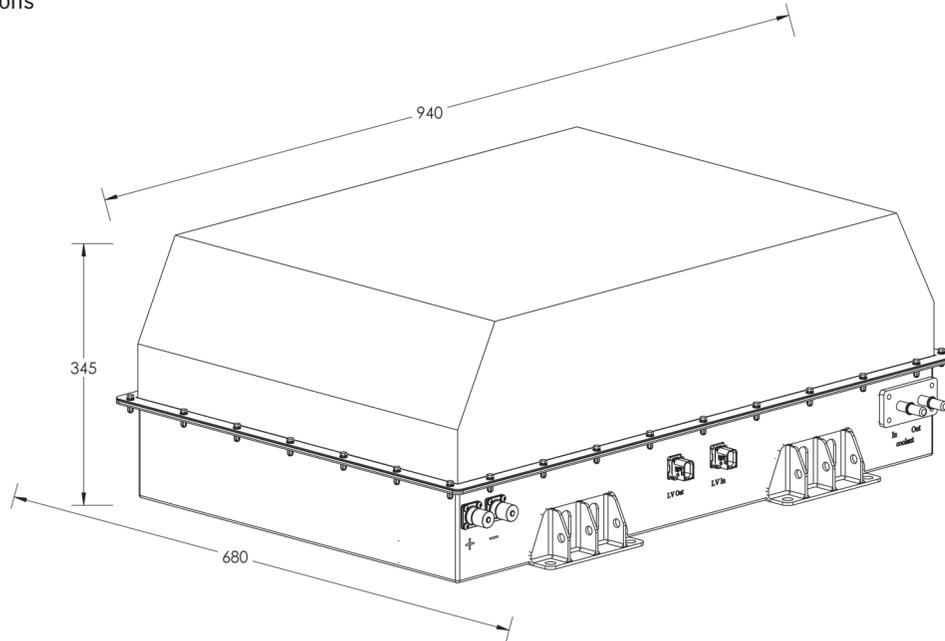
High Voltage packs for Automotive, Mobile,
and Stationary Applications

Specifically designed and certified for medium/ heavy duty electric trucks and buses, this rugged, liquid-cooled, 325V, 36kWh pack is designed to be adapted to a wide variety of markets including auto, defense, marine, and mobile power using the latest 21700 cell technology from the top cell manufacturers.

Features

- High energy density 21700 cylindrical NMC cell technology
- Distributed BMS Architecture: High-resolution monitoring and control via CAN
- Liquid-cooled for optimal thermal performance
- Configurable in series or parallel configuration to match 330V or 650V architecture
- Ruggedized IP67 automotive grade steel enclosure
- Available with high-voltage junction box for up to four strings
- UN38.3 Certified. Validated using GBT standard

Physical Dimensions



Technical Specifications

Voltage - Nominal	328.5V
Voltage - Range	288V - 369V
Energy Capacity - Nameplate	110.4Ah/36.26kWh
Continuous Discharge Current/Power	110A/36kW
Peak Discharge Current/Power ($\leq 5s$)	220A/72kW
Continuous Charge Current	$\leq 30A$
Peak Charge Current/Power ($\leq 10s$)	77A/25.3kW
Mass (Dry)	220kg (485lb)
Dimensions ¹	650 × 940 × 350mm (26 × 37 × 14in)
Specific Energy	164Wh/kg
Discharge Operating Temp	-20°C to 50°C
Charge Operating Temp	0°C to 45°C

Ideal Storage Temperature	5°C to 25°C
Safety and Certification	UL1642(cells), UN38.3(pack)
Cooling System	Liquid-cooled
Recommended Depth of Discharge ²	80%
BMS Architecture	Integrated/Distributed
Communication	CAN
Ingress Protection (IP) Rating	IP67
Expected Cycle Life ³	≥ 3000 cycles
Warranty	2000 cycles or 3 years (optional 5 Yr. Extended Warranty available)

- 1 Cable & connector keep-out areas not included in these dimensions
- 2 For optimal performance and cycle life
- 3 25°C cell temperature and $\leq 0.3C$ charge/discharge rates at 80% DOD