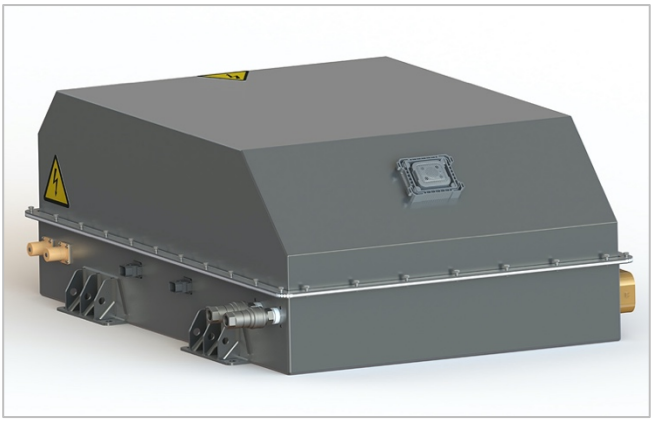
325V 36kWh BATTERY PACK

Octillion Power Systems (OPS) - a Global tier-1 Supplier of Advanced Lithium Battery Packs

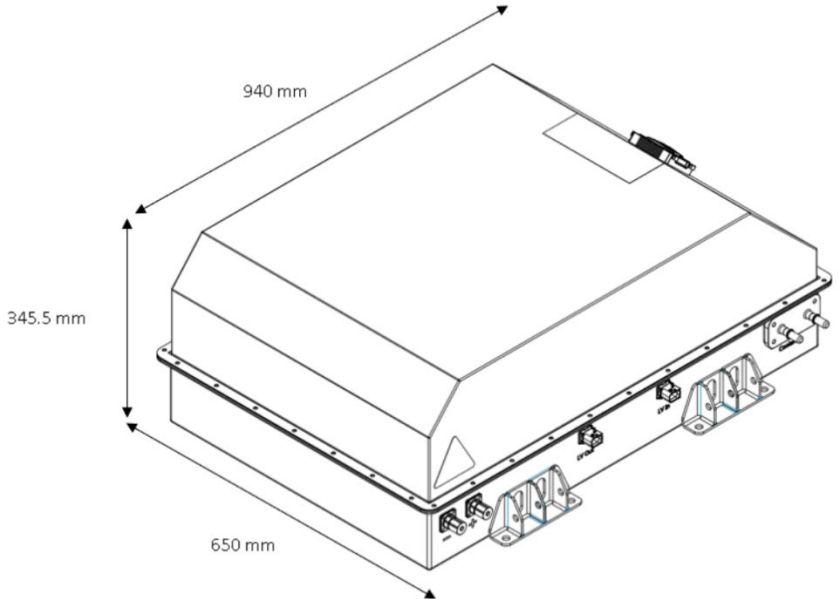
High Voltage packs for Motive, Mobile, and Stationary Applications

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 voltage architecture
- Ruggedized IP67 automotive grade steel enclosure
- Available with optional high-voltage junction box for up to four strings
- UN38.3 Certified. Validated using GBT standard



Octillion 325V 36kWh Physical Dimensions

Octillion Power Systems

860 Harbour Way South, Suite C | Richmond, CA 94804 | USA
www.octillion.us | Tel: +1 510-589-1159

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 (≤10s)	220A/72kW
Continuous Charge Current	≤30A
Peak Charge Current/ Power (≤10s)	77A/ 25.3kW
Mass (dry)	220kg (485lb)
Dimensions[1]	650 x 940 x 350mm (26 x 37 x 14in)
Specific Energy	164Wh/kg
Specific Power	327W/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 ≤0.3C charge/discharge rates at 80% DOD

Contact Octillion

Contact Octillion today at info@octillion.us or +1-510-589-1159