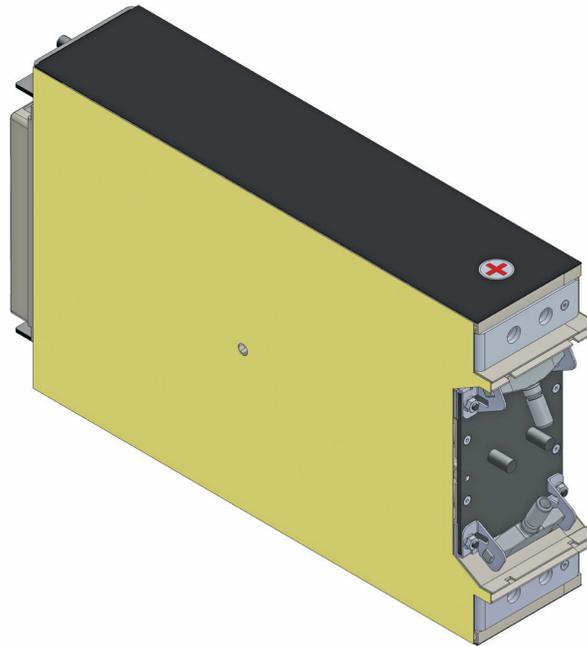

Octillion Power Module



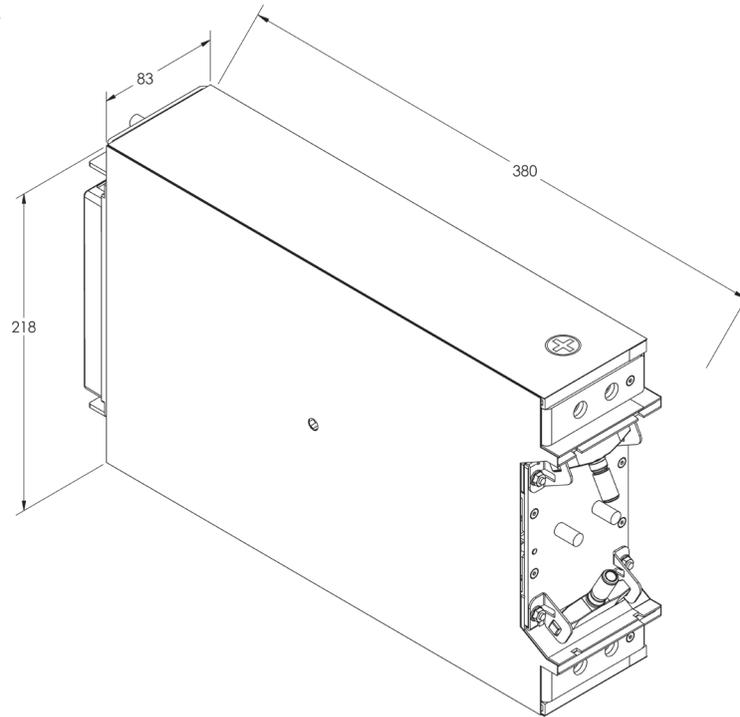
High Power Module for Automotive, Mobile, and Stationary Applications

Specifically designed for high power electric applications, this rugged, liquid-cooled, 50V, 1.7kWh module, 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 power density 21700 cylindrical NCA cell technology
- Integrated battery management system board with ISOSPI communication
- Liquid-cooled for optimal thermal performance
- Configurable in series or parallel configuration to match required power architecture
- UN38.3 Certified. Validated using GBT standard

Physical Dimensions



Technical Specifications

Voltage - Nominal	50.4V	Charge Operating Temp	0°C to 45°C
Voltage - Range	35V - 58.8V	Ideal Storage Temperature	5°C to 25°C
Energy Capacity - Nameplate	33.6/1.7 kWh	Safety and Certification	UL1642(cells), UN38.3(module)
Continuous Discharge Current/Power	67.2/3.4kW	Cooling System	Liquid-cooled
Peak Discharge Current/Power (≤ 5s)	600A/23.5kW	Recommended Depth of Discharge ²	80%
Continuous Charge Current	33.6A	BMS Architecture	Integrated Slave Board
Peak Charge Current/Power (≤10s)	67.2A	Communication	ISO SPI
Mass (Dry)	10kg (22lb)	Ingress Protection (IP) Rating	Not Applicable
Dimensions ¹	380 × 210 × 83mm (14.9 × 8.2 × 3.2in)	Expected Cycle Life ³	≥500 Cycles
Specific Energy	170 Wh/kg	Warranty	1 year
Specific Power	2350W/kg		
Discharge Operating Temp	-20°C to 50°C		

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