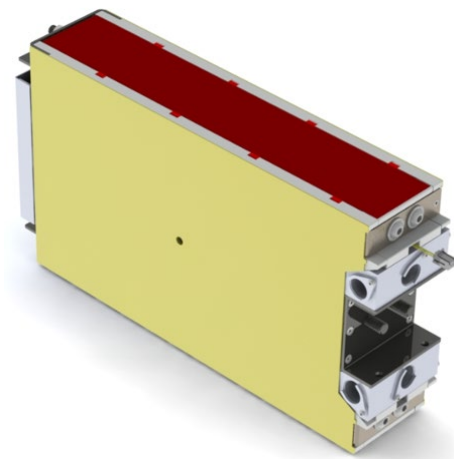


Octillion Power Module

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

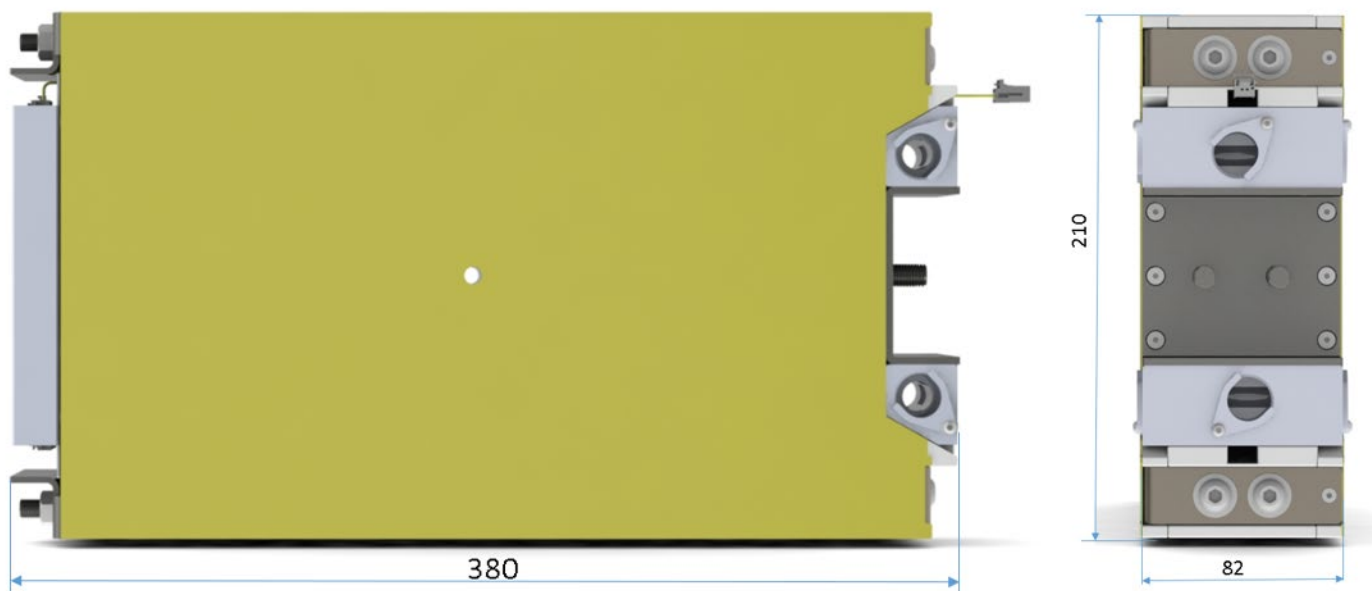
High Power Module for Motive, Mobile, and Stationary Applications

Specifically designed for high power electric application, 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 NMC 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	50.4 (V)
Voltage – range	35 – 58.8 (V)
Energy Capacity - Nameplate	33.6/1.7 kWh
Continuous Discharge Current/Power	67.2/3.4 kW
Peak Discharge Current/Power ($\leq 10s$)	600A/35.3kW
Continuous Charge Current	33.6A
Peak Charge Current ($\leq 10s$)	67.2A
Mass (dry)	10kg (22lb)
Dimensions ¹	380 x 210 x 82mm (14.9 x 8.2 x 3.2in)
Specific Energy	170Wh/kg
Specific Power	3500W/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(module)
Cooling System	Liquid-cooled
Recommended Depth of Discharge ²	80%
BMS Architecture	Integrated Slave Board
Communication	ISO SPI
Ingress Protection (IP) Rating	Not Applicable
Expected Cycle Life ³	≥ 1000 Cycles
Warranty	1 year

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

Contact Octillion

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