

BATTERY PACK



Cell Propulsion



ABOUT

Cell Propulsion offers you a high power density battery pack with high-strength durability and a lightweight design, specifically designed for harsh environments. This battery pack is absolutely resistant to moisture and dust conditions, with an IP level of 67 and has an optimized air flow path, resulting in the minimal temperature variation between battery cells.

FEATURES

- CAN enabled communication for charging and discharging profiles.
- Connectivity options for Bluetooth and Telematics available.
- Usage of NMC cells for high density and cycle life.
- Design supports easy integration and swapping ability.

SPECIFICATIONS

RATED ENERGY	1.25kWh
NOMINAL VOLTAGE	50.4V
CAPACITY	25Ah
CHARGE CURRENT	5A
DISCHARGE CURRENT	25A (1C, nominal)
PEAK DISCHARGE CURRENT	75A @20s
OPERATING TEMPERATURE	DISCHARGE - 0°C – 50°C CHARGE - 0°C – 60°C
DIMENSION	300*240*100mm
SPECIFIC ENERGY	113Wh/kg
MASS	11kg
CONNECTOR TYPE	Anderson (SBS-75X)
BATTERY MANAGEMENT SYSTEM (BMS)	included
BMS FEATURES	Over/under voltage; Over/Under temperature; Over current; Short circuit; Passive balancing; Fault handling
COMMUNICATION PROTOCOL	CAN; UART Optional Bluetooth/ SD card/ Telematics connectivity
PRESSURE RELIEF VALVE	Yes
STANDARDS COMPLIED	ARAI 048, UL2271
IP CLASS	IP 67