



MAXAMPS LITHIUM ION POLYMER(LiPo) BATTERY

MODEL NO: MA-1850-14s-Lipo-Pack



CONSUMER APPLICATIONS

- + Robotics
- + Unmanned Aerial Systems (UAS) - Drones
- + RC vehicles

COMMERCIAL & GOVERNMENT APPLICATIONS

- + Unmanned Aerial Systems (UAS) - Drones
- + Unmanned Ground Vehicles (UGV)
- + Robotics
- + Mobile Energy Storage
- + Vehicles

TECHNICAL DATA

BATTERY DIMENSIONS - 80 x 32 x 85mm

BATTERY WEIGHT - 531g

BATTERY CAPACITY @ 0.5C RATE - 1.85Ah (1850mAh)

VOLTAGE - 51.8v (NOMINAL/STORAGE) ; 42v (MIN) ; 58.8v (MAX)

WATT HOURS - 95.83Wh

ENERGY DENSITY @ Nominal Voltage - 180Wh/kg

INTERNAL IMPEDANCE (1KHZ AC TYPICAL) - 42mΩ

STANDARD CHARGE RATE - 1.85A (1C MAX)

BALANCE CHARGE RATE - 9.25A (5C MAX)

MAXIMUM CONTINUOUS DISCHARGE - 42.55A*

MAXIMUM PEAK DISCHARGE - 185A*

CYCLE LIFE - Varies per application/usage/care

OPERATING TEMPERATURE - 0°C to 60°C

STORAGE TEMPERATURE - 0°C to 23°C

*Discharging at continuous and peak rates may lower life cycles.

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