



MAXAMPS LITHIUM ION BATTERY

MODEL NO: MA-31500-6s9p-Li-ion-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 - 208 x 110 x 56mm

BATTERY WEIGHT - 2822g

BATTERY CAPACITY @ 0.5C RATE - 31.5Ah (31500mAh)

VOLTAGE - 21.6v (NOMINAL/STORAGE) ; 15v (MIN) ; 25.2v (MAX)

WATT HOURS - 699.3Wh

ENERGY DENSITY @ Nominal Voltage - 248Wh/kg

INTERNAL IMPEDANCE (1KHZ AC TYPICAL) - 18mΩ

STANDARD CHARGE RATE - 15.75A (0.5C MAX)

BALANCE CHARGE RATE - 31.5A (1C MAX)

MAXIMUM CONTINUOUS DISCHARGE - 90A*

MAXIMUM PEAK DISCHARGE - 225A*

CYCLE LIFE - Varies per application/usage/care

CELL TYPE - UNPROTECTED (No PCB), Flat Top Positive Terminal

STORAGE TEMPERATURE: -20°C to 50°C, OPERATING TEMPERATURE: -20°C to 60°C

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

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