



MAXAMPS LITHIUM ION BATTERY

MODEL NO: MA-5000-12s-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 - 253 x 22 x 74mm

BATTERY WEIGHT - 864g

BATTERY CAPACITY @ 0.5C RATE - 5Ah (5000mAh)

VOLTAGE - 43.2v (NOMINAL/STORAGE) ; 30v (MIN) ; 50.4v (MAX)

WATT HOURS - 216Wh

ENERGY DENSITY @ Nominal Voltage - 250Wh/kg

INTERNAL IMPEDANCE (1KHZ AC TYPICAL) - 36mΩ

STANDARD CHARGE RATE - 2.5A (0.5C MAX)

BALANCE CHARGE RATE - 5A (1C MAX)

MAXIMUM CONTINUOUS DISCHARGE - 25A*

MAXIMUM PEAK DISCHARGE - 80A*

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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