



# MAXAMPS LITHIUM ION BATTERY

MODEL NO: MA-12000-12s3p-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 64 x 72mm

BATTERY WEIGHT - 2556g

BATTERY CAPACITY @ 0.5C RATE - 12Ah (12000mAh)

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

WATT HOURS - 518.4Wh

ENERGY DENSITY @ Nominal Voltage - 203Wh/kg

INTERNAL IMPEDANCE (1KHZ AC TYPICAL) - 36mΩ

STANDARD CHARGE RATE - 6A (0.5C MAX)

BALANCE CHARGE RATE - 12A (1C MAX)

MAXIMUM CONTINUOUS DISCHARGE - 105A\*

MAXIMUM PEAK DISCHARGE - 240A\*

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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