



MAXAMPS LITHIUM ION BATTERY

MODEL NO: MA-4500-14s1p-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 - 305 x 22 x 74mm

BATTERY WEIGHT - 980g

BATTERY CAPACITY @ 0.5C RATE - 4.5Ah (4500mAh)

VOLTAGE -50.4v (NOMINAL/STORAGE) ; 35v (MIN) ; 58.8v (MAX)

WATT HOURS - 226.8Wh

ENERGY DENSITY @ Nominal Voltage - 231Wh/kg

INTERNAL IMPEDANCE (1KHZ AC TYPICAL) - 42mΩ

STANDARD CHARGE RATE - 2.25A (0.5C MAX)

BALANCE CHARGE RATE - 4.5A (1C MAX)

MAXIMUM CONTINUOUS DISCHARGE - 45A*

MAXIMUM PEAK DISCHARGE - 100A*

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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