



# MAXAMPS LITHIUM ION POLYMER(LiPo) BATTERY

MODEL NO: MA-1450-11s-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                   | - 68 x 37 x 100mm                                   |
| BATTERY WEIGHT                       | - 518g  |
| BATTERY CAPACITY @ 0.5C RATE         | - 1.45Ah (1450mAh)                                  |
| VOLTAGE                              | - 40.7v (NOMINAL/STORAGE) ; 33v (MIN) ; 46.2v (MAX) |
| WATT HOURS                           | - 59Wh  |
| ENERGY DENSITY @ Nominal Voltage     | - 114Wh/kg  |
| INTERNAL IMPEDANCE (1KHZ AC TYPICAL) | - 33mΩ  |
| STANDARD CHARGE RATE                 | - 1.45A (1C MAX)                                    |
| BALANCE CHARGE RATE                  | - 7.25A (5C MAX)                                    |
| MAXIMUM CONTINUOUS DISCHARGE         | - 72.5A*  |
| MAXIMUM PEAK DISCHARGE               | - 253.8A*   |
| 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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