



# MAXAMPS LITHIUM ION POLYMER(LiPo) BATTERY

MODEL NO: MA-5450-1s-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                   | - 137 x 47 x 10mm                                |
| BATTERY WEIGHT                       | - 128g   |
| BATTERY CAPACITY @ 0.5C RATE         | - 5.45Ah (5450mAh)                               |
| VOLTAGE                              | - 3.7v (NOMINAL/STORAGE) ; 3v (MIN) ; 4.2v (MAX) |
| WATT HOURS                           | - 20.17Wh  |
| ENERGY DENSITY @ Nominal Voltage     | - 158Wh/kg                                       |
| INTERNAL IMPEDANCE (1KHZ AC TYPICAL) | - 3mΩ  |
| STANDARD CHARGE RATE                 | - 5.45A (1C MAX)                                 |
| BALANCE CHARGE RATE                  | - 27.25A (5C MAX)                                |
| MAXIMUM CONTINUOUS DISCHARGE         | - 163.5A*  |
| MAXIMUM PEAK DISCHARGE               | - 654A*  |
| 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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