



# MAXAMPS LITHIUM ION POLYMER(LiPo) BATTERY

MODEL NO: MA-31000-1s-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	- 187 x 136 x 12mm
BATTERY WEIGHT	- 616g
BATTERY CAPACITY @ 0.5C RATE	- 31Ah (31000mAh)
VOLTAGE	- 3.7v (NOMINAL/STORAGE) ; 3v (MIN) ; 4.2v (MAX)
WATT HOURS	- 114.7Wh
ENERGY DENSITY @ Nominal Voltage	- 186Wh/kg
INTERNAL IMPEDANCE (1KHZ AC TYPICAL)	- 3mΩ
STANDARD CHARGE RATE	- 31A (1C MAX)
BALANCE CHARGE RATE	- 155A (5C MAX)
MAXIMUM CONTINUOUS DISCHARGE	- 348.75A*
MAXIMUM PEAK DISCHARGE	- 775A*
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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