



MAXAMPS LITHIUM ION POLYMER(LiPo) BATTERY

MODEL NO: MA-51000-12s3p-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	- 171 x 75 x 397mm
BATTERY WEIGHT	- 11357g
BATTERY CAPACITY @ 0.5C RATE	- 51Ah (51000mAh)
VOLTAGE	- 44.4v (NOMINAL/STORAGE) ; 36v (MIN) ; 50.4v (MAX)
WATT HOURS	- 2264.4Wh
ENERGY DENSITY @ Nominal Voltage	- 199Wh/kg
INTERNAL IMPEDANCE (1KHZ AC TYPICAL)	- 36mΩ
STANDARD CHARGE RATE	- 51A (1C MAX)
BALANCE CHARGE RATE	- 255A (5C MAX)
MAXIMUM CONTINUOUS DISCHARGE	- 1071A*
MAXIMUM PEAK DISCHARGE	- 1530A*
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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