



# MAXAMPS LFP-Max LITHIUM IRON PHOSPHATE(LiFePO4) BATTERY

MODEL NO: MA-5000-12s-LiFePO4-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	- 148 x 47 x 133mm
BATTERY WEIGHT	- 1680g
BATTERY CAPACITY @ 0.5C RATE	- 5Ah (5000mAh)
VOLTAGE	- 39.6v (NOMINAL/STORAGE) ; 30v (MIN) ; 43.8v (MAX)
WATT HOURS	- 198Wh
ENERGY DENSITY @ Nominal Voltage	- 118Wh/kg
INTERNAL IMPEDANCE (1KHZ AC TYPICAL)	- 36mΩ
STANDARD CHARGE RATE	- 5A (1C MAX)
BALANCE CHARGE RATE	- 25A (5C MAX)
MAXIMUM CONTINUOUS DISCHARGE	- 65A*
MAXIMUM PEAK DISCHARGE	- 500A*
CYCLE LIFE	- Varies per application/usage/care
OPERATING TEMPERATURE	- 20°C to 60°C
STORAGE TEMPERATURE	- 20°C to 45°C

\*Discharging at continuous and peak rates may lower life cycles.

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