



MAXAMPS LFP-Max LITHIUM IRON PHOSPHATE(LiFePO4) BATTERY

MODEL NO: MA-5000-1s-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 12mm
BATTERY WEIGHT	- 140g
BATTERY CAPACITY @ 0.5C RATE	- 5Ah (5000mAh)
VOLTAGE	- 3.3v (NOMINAL/STORAGE) ; 2.5v (MIN) ; 3.65v (MAX)
WATT HOURS	- 16.5Wh
ENERGY DENSITY @ Nominal Voltage	- 118Wh/kg
INTERNAL IMPEDANCE (1KHZ AC TYPICAL)	- 3mΩ
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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