
Vehicle, Motorbike and Motorsport Battery Manual

Thank you for choosing MEGALiFe Battery for your energy solution. In purchasing this product, the user agrees that they have read and understood the safety precautions, specifications and instructions listed in this document and other documents available at www.megalifebattery.com.au.

MEGALiFe Battery Australia holds no responsibility for personal injury or property damage involving any of its products. Damage of MEGALiFe Battery products due to misuse and/or operations outside of recommended limits will void product warranty and could cause personal injury or property damage.

Safety Warnings

- Do not disassemble, crush or incinerate
- Do not short circuit the terminals
- Do not over charge or over discharge
- Do not reverse connections (polarity) when charging or installing
- Do not operate beyond the published voltage, current and temperature limits.
- Keep out of reach of children
- Further safety and user information at www.megalifebattery.com.au

Specifications

- Charging: Constant current, constant voltage charge (CC/CV) to a maximum of 14.6V.
- Maximum discharge rate: 2C
- Maximum charge rate: 1C
- Operating Temperature: -20°C to +80°C
- Charging Temperature: 0°C to 60°C
- Nominal Voltage: 12.8V

Charging

Your MEGALiFe Battery will arrive in a ready to use state of charge of 13V or higher. When installed in a vehicle no modifications are necessary to the vehicles charging system and regular vehicle charging (alternator, rectified magneto, etc.) and the IBMS will keep your battery in optimal charge state.

If the battery needs to be charged with a 240v charger for any reason please ensure that it is suitable for charging LiFePO4 batteries.

The IBMS protects MEGALiFe from dangerous and damaging undervoltage situations but it is recommended to not discharge the battery below 11.2V to ensure optimum lifespan.

Use of NEVAFLAT reserve cell technology

- NEVAFLAT reserve cell is designed to be used as an emergency feature in a limited capacity only. Product warranty time periods do not apply to the NEVAFLAT feature
- The button operated reserve cell can be used at any SOC for engine starting or when main battery power has been isolated via IBMS.
- To operate, press the button.
- Operate the starter on the vehicle.
- Once the vehicle is started, immediately press the button to deactivate the reserve cell.
- **Do not** charge the battery via a charger or vehicle power supply (alternator, rectified magneto, etc.) or attempt to jump start the vehicle with the reserve cell light activated.
- When charge current is applied (alternator etc.), the IBMS will charge both main and reserve cells with the reserve cell button off.

Disposal and Recycling

MEGALiFe Battery are recyclable and we encourage responsible environmental practices. Please check with your local authority for recycling centers that accept batteries.

Lithium Ion batteries should have their terminals insulated and preferably wrapped in plastic bags prior to disposal to a licensed carrier and/or authorized recycler.

Installation Guidelines

- Always wear appropriate personal protective equipment when working with MEGALiFe batteries.
- Before installation, ensure MEGALiFe Battery is at or above 13.0V SOC and use the correct CC/CV charger if needed to bring voltage above 13.0V.
- MEGALiFe batteries are designed as direct replacement for most 12V applications on the market. If the correct model has been chosen, no further modification should be needed to your vehicle. Follow manufacturers guidelines for battery replacement and install the battery as specifically instructed by your vehicle manufacturer.

Maintenance

- Keep terminals clean of debris and corrosion
- Do not use solvents, oil or detergents to clean the outside of your battery. Use a damp cloth to wipe down the battery always being aware not to short the terminals
- For extended periods of storage, keep batteries in a dry environment between 10-35°C at a SOC of 30%

Warranty

Different MEGALiFe products hold different warranty conditions that are available at www.megalifebattery.com.au FAQ section.

Thank you again for choosing your new energy solution for a MEGALiFe. For further information, please contact us at info@megalifebattery.com.au or via social media.