

LiFeBlue Battery Installation and Safety Guidelines

Thank you for purchasing LiFeBlue Battery. Please read these Instructions before installing, using or charging your LiFeBlue Battery. Failure to do so may result in personal injury or damage to property. The buyer assumes all risks associated with LiFeBlue product.

CAUTION: If you are unsure about any of these instructions, stop, do not install or use the battery and contact us or consult a professional. LiFeBlue Battery assumes no liability for any failure to safely handle batteries or comply with these Instructions. You assume all risks associated with installation or use of LiFeBlue Battery product.

Preparation For Use

All LiFeBlue batteries must be fully charged upon receipt and before use. This procedure will synchronize the SoC meter with actual battery capacity and insure that all batteries are starting at the same potential.

1. Use any converter, charger or inverter charger that can provide 14.2 volts or higher and connect to one battery. Open the Bluetooth Smart Connect App and monitor Voltage and Current. Begin charging.
2. Continue charging until you see 14 Volts or higher on the App. (Note: *At any point, the SoC meter may read 100% **but the battery is not yet fully charged.** Keep charging.*)
3. Stop charging when the current on the App has dropped to <2 Amps.
4. Repeat this process with all batteries.
5. After all batteries have been charged using this method they are ready for connection and use.

Installation

There is risk of electric shock when working with batteries. Always wear personal protective equipment (PPE) when working on a battery and follow all Occupational Safety and Health Administration (OSHA) and National Electric Code (NEC) guidelines.

LiFeBlue Batteries, except for LBU models, must be installed in a dry compartment where there is no exposure to direct sunlight, water, road spray, debris or where any loose item can contact the battery terminals. Each battery must be installed upright and securely fastened to avoid any movement. Cables connected to the battery must also be secured from movement.

Terminal bolts must be tightened properly before battery is used. Loose connections may result in high contact resistance, heat generation, and can potentially be a fire hazard. Torque each terminal bolt to 9 N-m or 80 in-lb. Do not over tighten. Check bolt torque periodically.

Bus bars, terminal connectors and cables must be adequately sized to handle the maximum current. Inadequately sized bus bars, connectors or cables may cause over-heating and are a potential fire hazard. Battery terminals, bus bars and cables must be free of acid from any previous use and be kept clean and dry.

Always install the proper circuit protection. Use a fuse, circuit breaker or other current interruption device, sized for each circuit that is connected to the battery, terminal block or bus bar.

Do not use temperature compensation with any battery charger. Disable or remove it completely.

Each LiFeBlue battery includes a Battery Management System (BMS). The battery pack and cells are monitored and protected by the BMS. The BMS is not to be used as a regulation system. It is for protection only in case the limits of safe operation are exceeded. The user is ultimately responsible for the proper and safe operation of the battery by limiting voltage, current and temperature to the normal operation values found on the data sheet.

LiFeBlue Battery shall not be used in connection with life support systems, life saving or other medical equipment or devices. Use of LiFeBlue Battery with this type equipment is at your own risk.