

LiFeBlue Battery Safety and Installation Instructions

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.

Risks and Safety

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. The consumer assumes all risks associated with LiFeBlue Battery product.

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

Storage & Transportation Instructions

Store battery in cool, dry environment.

Do not store or install in direct sunlight.

Discharge battery to 50% SoC before long term storage of more than 30 days.

While in storage, check battery voltage every 60 days and charge if below 13.0 volts.

Battery must be secured during transportation.

Warnings

Read and follow all instructions for use, storage and disposal of this battery.

Do not allow children or pets to contact battery.

Do not drop the battery.

Do not immerse the battery in any liquid or subject it to water spray or mist.

Do not install the battery near any heat source or open flame.

Do not store battery where terminals may contact metal.

Do not short positive and negative terminals.

Do not connect reverse polarity.

Improper use may cause fire, rupture, damage or capacity deterioration of the battery.

Do not disassemble the battery.

Do not connect batteries of different age or capacity, or any Low Temperature models in series.

Important Information That May Affect Your Warranty

Every LiFeBlue battery includes an Battery Management System (BMS). The battery pack and cells are monitored and protected by the BMS system. It is important to understand that a BMS is not a regulation system. It is a protection system 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 values found on the data sheet.

Always install proper circuit protection, a fuse, circuit breaker or other current interruption device, sized for any circuits that are connected to a LiFeBlue battery.

Always use a battery charger of the allowable current and voltage listed on the data sheet. If you are unsure about your charger, contact LiFeBlue Battery with your charger model and we will advise you.

All batteries must be securely installed in an upright position to avoid any movement of battery, connections, wiring or connected devices. Batteries may not be installed on their side.

Use caution when making connections, installing bus bars or cables. Tools, such as screw drivers and wrenches should be an electrically insulated type.

Battery cables must be free of acid from any previous use with lead acid batteries. Terminals must be kept clean and dry. All fasteners must be tightened properly to the battery terminals before battery is used. Loose connections will 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.

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Bus bars, terminal connectors and cables must be adequately sized to handle the maximum charge and discharge current. Inadequately sized bus bars, connectors or cables may cause over-heating and are a potential fire hazard.

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.

Battery Preparation For Use

All LiFeBlue batteries must be fully charged and balanced separately before use. This procedure will synchronize the SoC meters and insure that all batteries are at the same capacity and voltage potential. *Do not use any LiFeBlue battery before performing the following steps!*

1. You will need a battery charger that can sustain 14.2 ~14.6 volts. We recommend using 10 Amps or higher. Download and use the Bluetooth Smart Connect App to monitor Voltage and Current during this procedure.
2. Connect the charger to one battery and begin charging until you see 14 Volts or higher on the App.
3. **IMPORTANT:** The SoC meter may read 100% but the battery is not yet fully charged. **Keep charging.**
4. Stop charging when the App current has dropped to about 2 Amps.
5. Repeat this process with all batteries.
6. *After ALL batteries have been charged using this method, you may connect in series or parallel and begin use.*