



Lithium Battery Guidelines



WARNING: Read the following warnings and guidelines for general use and care before using any Lithium Iron Phosphate (LiFePO₄ or LFP) battery supplied by All Traffic Solutions.

1. Thoroughly read the customer documentation provided with your product to ensure proper use and optimal life of lithium batteries.
2. Lithium batteries come with a protective outer wrap, which **should never** be removed, as doing so damages the batteries and creates a potential hazard. The lithium batteries supplied with All Traffic Solutions products are stable and safe when handled and used properly.
3. **DO NOT charge lithium batteries if they appear to be damaged or if any of the wires on any battery or the charger appear to be damaged.** If a battery is damaged, please contact ATS Technical Customer Support for return, replacement, and safe disposal instructions.
4. **DO NOT** bend the batteries or attempt to puncture them with sharp objects as this could cause a fire or explosion.
5. **DO NOT** carry the batteries by the wires or hang them from the wires. Always use the attached pull tab / strap.
6. **DO NOT attempt to charge lithium batteries at temperatures below 32 °F (0 °C) or above 131 °F (55 °C).** Doing so can permanently damage lithium batteries and void your warranty.
7. **Within the first couple of days after receiving your lithium batteries, fully charge them before first-time use, using ONLY the supplied 12.8 volt charger. DO NOT use any other charger to charge lithium batteries.** If this charger is missing or is not available please contact ATS Technical Customer Support.
8. **Always charge lithium batteries in a cool dry location on a non-flammable surface, such as concrete, and away from any flammable material. Carefully monitor charging batteries to make sure they are charging properly.** The red light indicates a charging battery. The green light indicates a fully charged battery. It is normal for the charger to get slightly hot while charging.
9. **For optimal battery life, DO NOT allow any lithium battery to fully drain for the first five discharging cycles.** This is the recommended break-in period for lithium batteries.
10. **Charge lithium batteries at least once a month.** If a battery is stored for an extended period of time without being charged, this could drain the battery too low and permanently damage the battery.
11. **Return shipping:** If you need to return a lithium battery, contact ATS Technical Customer Support for packaging and return instructions.
12. **Disposal:** If you need to dispose of a lithium battery, follow the regulations in your local jurisdiction. **DO NOT dispose of the battery in municipal trash collection.**

To reach ATS Technical Customer Support, please visit <https://www.alltrafficsolutions.com/support/>.