



# Configuration Utility Notes Lithionics LiFeP04 Batteries With Never-Die BMS



This profile is designed to provide integrated charging when used in conjunction with Lithionics Batteries Never-Die BMS equipped LiFeP04 battery systems. Please ensure that the WS500 regulator has firmware v.2.2.2 and above. Configuration is based on a CAN-connected BMS. Reference the Communications and Configuration Guide for firmware v.2.2.2 for more details. Configuration details:

- BMS aggregation is enabled, and supports up to 10 Never-Die BMS units. Refer to Lithionics documentation for instructions on establishing multiple CAN IDs
- Alternator temperature target is set at 100°C with standard pull backs. See Configuration Utility User's Guide for adjustment instructions.
- Bulk charge voltage is set at 14.4V, with float voltage set at 13.6V in a standard 12V system.
- Exit current from bulk/acceptance is 3% of maximum battery capacity.
- Charge current rate is set at a maximum 0.5C.
- Hard temperature limits outside of 0°C to 50°C range. Reduced charge rate outside of 5°C to 45°C range.
- Battery capacity and temperature decisions are automatically adjusted based on CAN reported data.

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**IMPORTANT:** The information is provided for reference, and is intended to provide guidance required to tailor the configuration profile to your system. Please refer to the Wakespeed Communications and Configuration Guide and Configuration Utility Users Guide for detailed configuration instructions.

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