Configuration Utility Notes
Lifeline AGM Batteries

This profile is configured specifically to provide a gentle source of charging for LiFeP04 batteries where BMS integration is unavailable. This gentler charging approach, with lower terminal charging voltages may result in slower charging, but longer battery life. Configuration details:

- Charging is managed by the WS500. Zero-Output Technology is enabled to ensure proper load management without overcharging the LiFeP04 battery bank.
- 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 13.8V, with float voltage set at 13.36V 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.
- Default Battery Capacity Multiplier is set at zero (500AH). See Configuration Utility User's Guide for instruction on modifying this value to match your system.
- Engine warmup delay is 30 sec.
- Note: Many BMS units may not trigger cell balancing during the acceptance phase of charge. Place the regulator into EQUALIZE mode to allow cell balancing, if needed.

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.