



Configuration Utility Notes Deep Cycle Flooded Lead Acid



This Configuration Utility program is designed to optimize the WS500 Alternator Regulator to support charging for thick-plate deep-cycle lead acid batteries. Current sensing via current shunt, and installation of a battery temperature sensor are strongly recommended. Configuration details:

- Charging is managed by the WS500.
- WS500/BT Battery Temperature Sensor is recommended to ensure accurate temperature compensation and over-temperature protection.
- 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 14.6V, with float voltage set at 13.2V in a standard 12V system.
- Exit amps @ 1 percent of battery capacity.
- 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.
- Values included in this profile are equal to those provided in DIP switch position #3 on the regulator.

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.
