



Configuration Utility Notes Optima Spiral Wound Batteries (Red Top)



Provides factory recommended parameters for the when charging Optima-brand Red Top batteries. Current shunt and battery temperature sensor are strongly recommended.

- Charging is managed by the WS500 Alternator Regulator.
- Charging profile is based on recommendations from the Optima Battery User's Guide.
- Alternator temperature target is set at 100°C with standard pull backs. See Configuration Utility User's Guide for adjustment instructions.
- Bulk/acceptance voltage target is 14.7 volts. Float target voltage is 13.3V in a normalized 12V system. Maximum charge rate into batteries is 1C.
- Minimum compensated battery temperature is -9°C. Minimum charge temperature is -45°C. Maximum charge temperature is 45°C.
- Minimum current limit triggering shift from bulk/acceptance to float is 3% of total battery capacity.

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.
