

**Optimate PRO-S**  
ampmatic



**Optimate PRO-4**  
ampmatic



## NEW BATTERY

**tecMATE**

**1. Before charging:** Always follow the battery manufacturer acid filling procedure and safety recommendations.

**Dry charged "MF" AGM batteries delivered with separate acid pack:** Acid pack must completely drain into the battery before removing, then allow 30 minutes for acid to absorb into fibre glass mats. **BEFORE CHARGING fit sealing strip.**

**STD flooded batteries that must be filled with acid:** Fill to MIN. filling line, allow 30 minutes for acid to settle, then charge.

**Factory activated AGM or GEL / any new battery not charged for 3 months or more:** Measure voltage, if below 12.2V follow the USED BATTERY procedure.

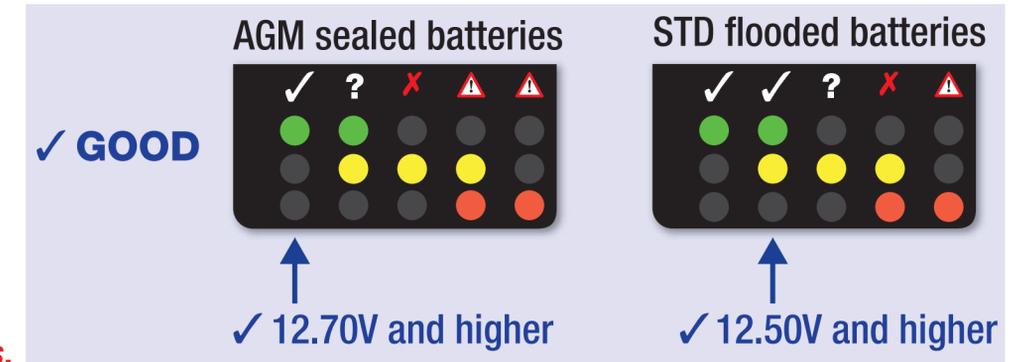
**2. Select NEW. Connect battery to the charger.**

Charging completes within 1 hour.

A 10 minute load test follows (green test light flashing).

**3. Battery is ready to use when TEST lights indicate steadily (full on) and result is GOOD.**

**STD Flooded batteries:** *Add acid if necessary. Fit the sealing caps.*



## USED BATTERY: CHARGE or RECOVER

**1. Fully inspect the used battery for physical damage. Re-fill STD flooded batteries with distilled water to MAX. filling line and refit caps. NEVER open or try to refill a sealed "MF" AGM battery.**

IMPORTANT! A battery left deep-discharged for an extended period may develop permanent damage in one or more cells. Such batteries may heat up excessively during high current charging. Monitor the battery temperature during the first hour, then hourly there-after. Check for unusual signs, such as bubbling or leaking electrolyte, heightened activity in one cell compared to others, or hissing sounds. If at any time the battery is uncomfortably hot to touch or you notice any unusual signs, DISCONNECT THE CHARGER IMMEDIATELY.

**2. Select 2 Amp for batteries rated less than 10Ah OR 4 Amp for batteries rated 10Ah or higher. Connect the battery to the charger.** Charging starts automatically followed by a test (green test light flashing).

NOTE: All batteries measuring 12.2V or less will receive a desulphating recovery charge (SAVE mode). Charging time: To complete a charge on a flat but otherwise undamaged battery is roughly equal to 1/2 the battery's Ah rating, so a 10Ah battery should take 5 hours or less to progress to the TEST cycle. Deep-discharged, sulphated batteries may take longer. Maximum charge time is 12 hours for all batteries. Test may take up to 12 hours for a good battery.

**3. Cycle is complete when TEST lights indicate steadily (full on). Result as shown below.**

### FOUR PROVEN STEPS TO PREVENT PREMATURE BATTERY FAILURE

**1. Prepare / Charge the battery before fitting to the vehicle.**

**2. Fit an 1 battery lead to prepare the vehicle for battery maintenance.**



**3. Tell the customer about their responsibility to maintain their battery when vehicle is not used.**

**4. Sell the customer an Optimate that suits their vehicle battery. Product Selector at [optimize1.com](http://optimize1.com)**

- ✓ GOOD
- ? OK may need replacement soon
- ✗ BAD replace
- ⚠ DAMAGED replace

