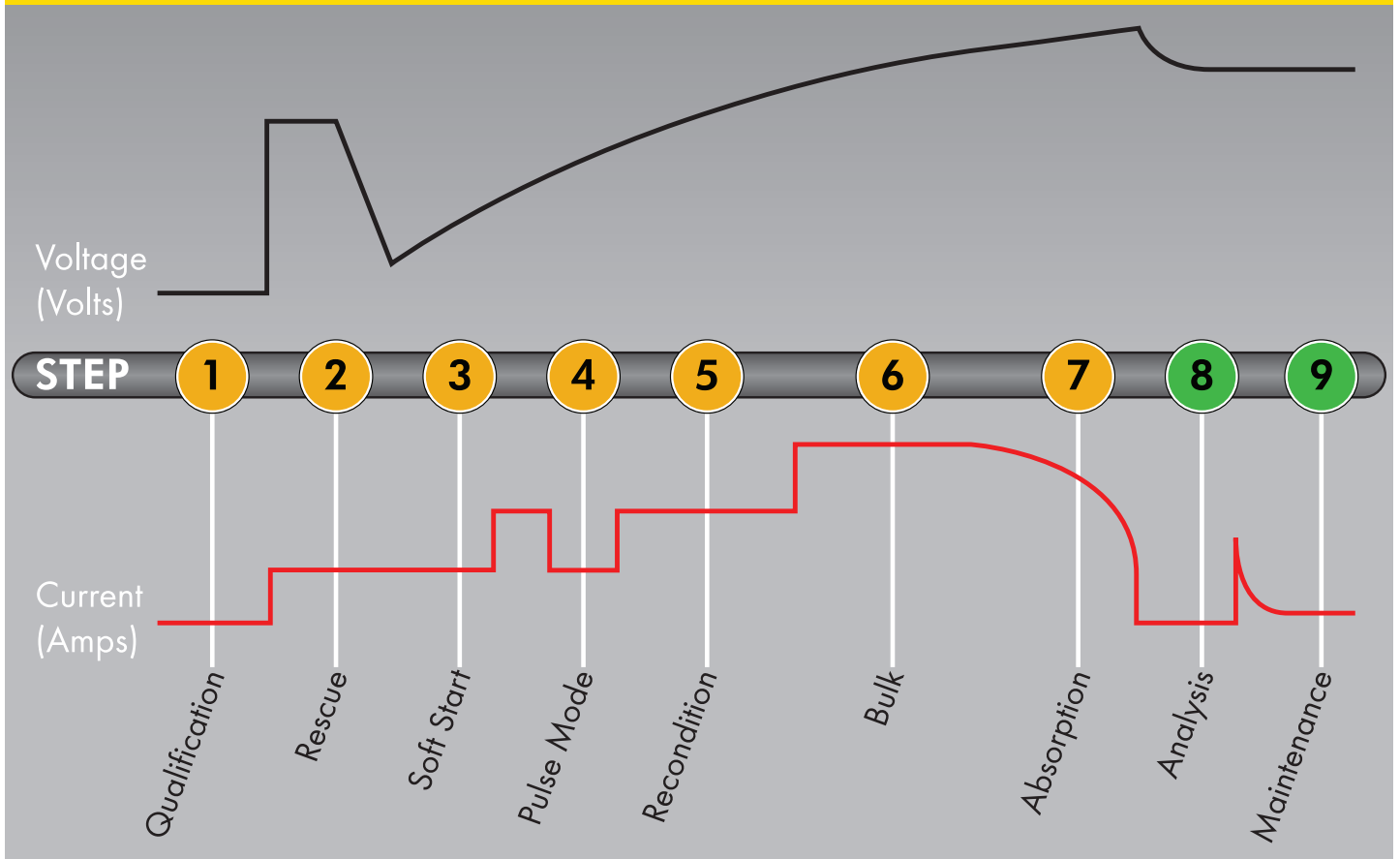


9-Step Charging Program (Lead Acid)



- QUALIFICATION** Battery condition is checked prior to charge or recovery. Charge will not be initiated if battery is less than designated voltage.
- RESCUE** ‘Rescue’ mode initiates in cases where the charger detects that the battery voltage has risen excessively at the beginning of the Test Cycle. This is usually caused by plate sulfation. Once rescued, normal charging will commence.
- SOFT START** Soft start is applied when the charger detects a battery is at a very low initial state of charge (SOC). Voltage and current are delivered at a specified rate to help the battery to recover prior to entering Pulse mode.
- PULSE** Pulse mode provides a pulse charge to help the newly recovered battery to continue to accept charge as it enters the Recondition mode.
- RECONDITION** Recondition mode charges at a limited voltage. Designed to further improve battery condition before the Bulk charge.
- BULK** The Bulk charge stage delivers constant current to charge the battery to 80%.
- ABSORPTION** Absorption charge delivers constant voltage for the remainder of the charge.
- ANALYSIS** Battery voltage is periodically checked to ensure it can be retained. Where checks indicate this is not the case the battery is classified as BAD.
- MAINTENANCE** Maintenance provides for regular checks and the delivery of a charge specific to the state of the battery and its loading.