

## EQ – Battery Equalize

Equalization is a controlled overcharge that is part of regular battery maintenance. Equalization brings the batteries to a much higher voltage than usual and “simmers” them for a period of time. This has the result of removing inert compounds from the battery plates and reducing stratification in the electrolyte. Equalization follows the same pattern as standard three-stage charging. However, instead of the Absorption voltage set points, it is controlled by the **Battery Equalize Volts** settings. The time is controlled by the **Battery Equalize Time** setting.

Equalization is normally performed only on flooded lead-acid batteries. The schedule for equalization varies with battery use and type, but it is usually performed every few months. If performed correctly, this process can extend battery life by a considerable amount.



### CAUTION: Battery Damage

- Do not equalize any sealed battery types (VRLA, AGM, Gel, or other) unless approved by the manufacturer. Some batteries may suffer severe damage from equalization.
- Contact the battery manufacturer for recommendations on equalization voltage, duration, schedule, and/or advisability. Always follow manufacturer recommendations for equalization.

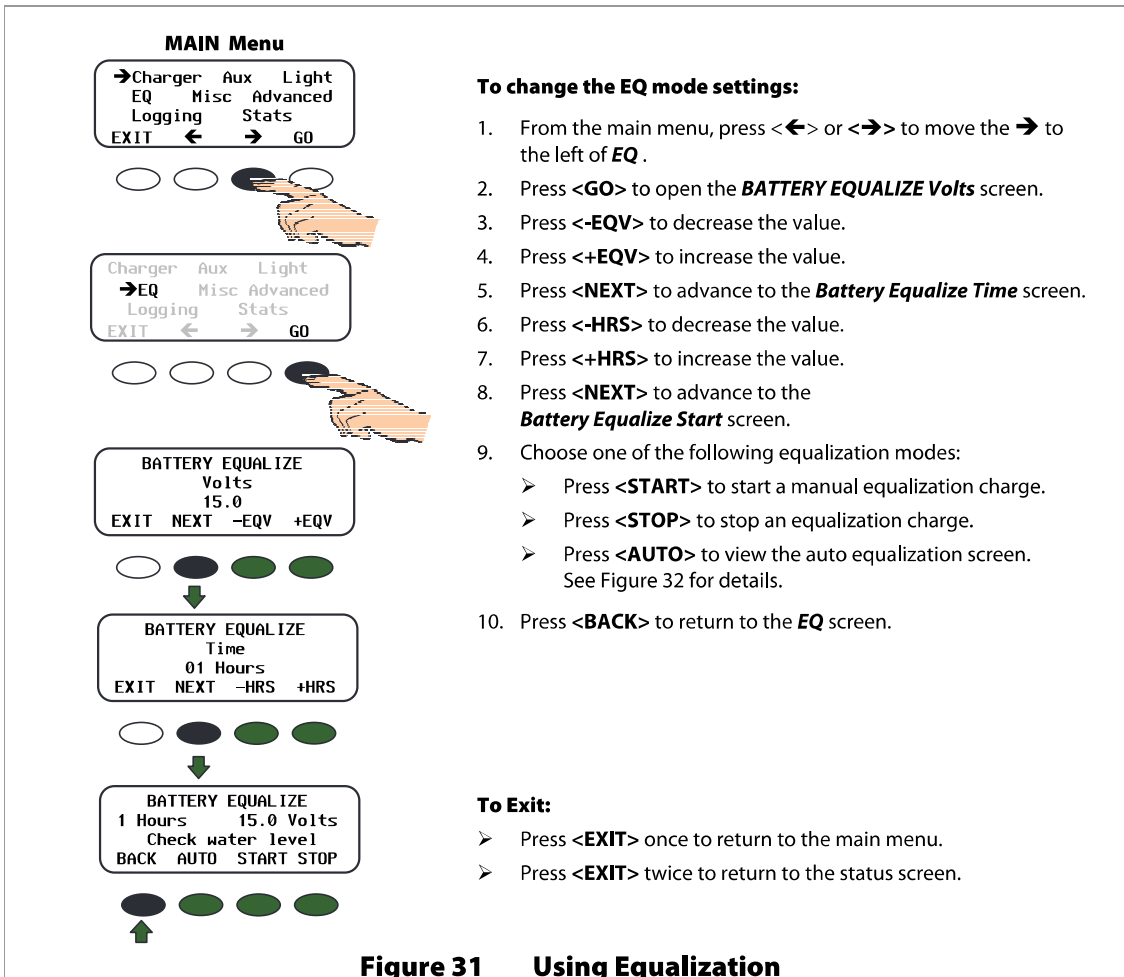


Figure 31 Using Equalization