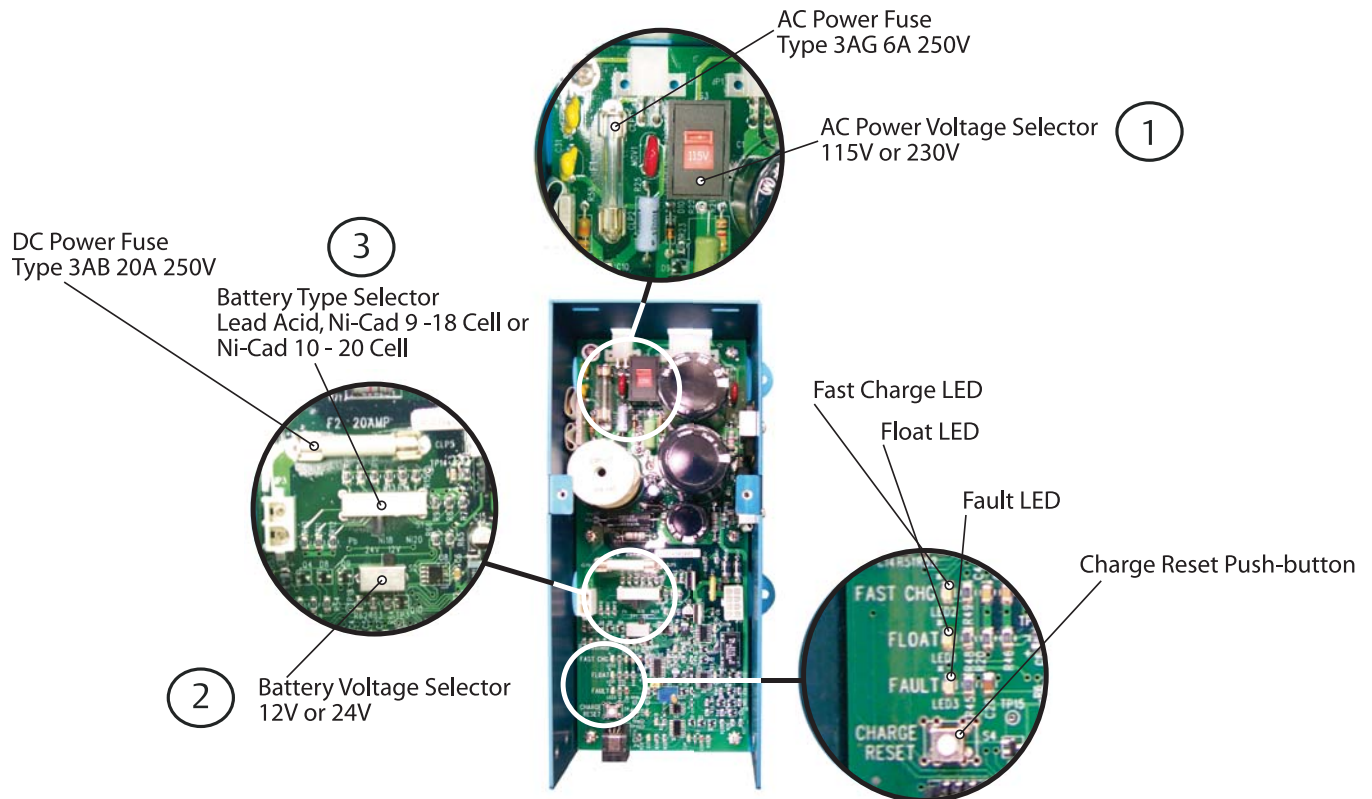


BATTERY CHARGER



When installing the battery charger as a replacement part, it is necessary to verify the proper charger settings and adjust as necessary.

1. Incoming AC voltage 115 or 230 volts.
2. Battery voltage - 12 or 24 volts DC.
3. Battery type - Lead Acid / Ni-Cad 9 or 18 Cell / Ni-Cad 10 or 20 Cell.

If battery charger is powered with the incorrect settings, damage to the charger and/or batteries may occur.

The Firetrol® battery charger features a fully automatic 4 step charging cycle. The charging cycles are as indicated:

Step 1: Qualification Stage (Flashing yellow and green LEDs)

During this stage, the battery charger checks the batteries to insure they can accept a fast charge. It also checks for missing or defective batteries. If the charger detects missing or defective batteries a fault will be given (solid red LED).

Step 2: Fast Charge (Solid yellow LED)

Charges the batteries until they reach peak voltage.

Step 3: Bulk Charge (Solid yellow LED and slow blinking green LED)

Charges the batteries at a constant potential of peak voltage until current reaches 500mA.

Step 4: Float Charge (Solid green LED)

Trickle charges the batteries to maintain peak potential.

- Charger reset push-button (resets charging cycle to beginning)

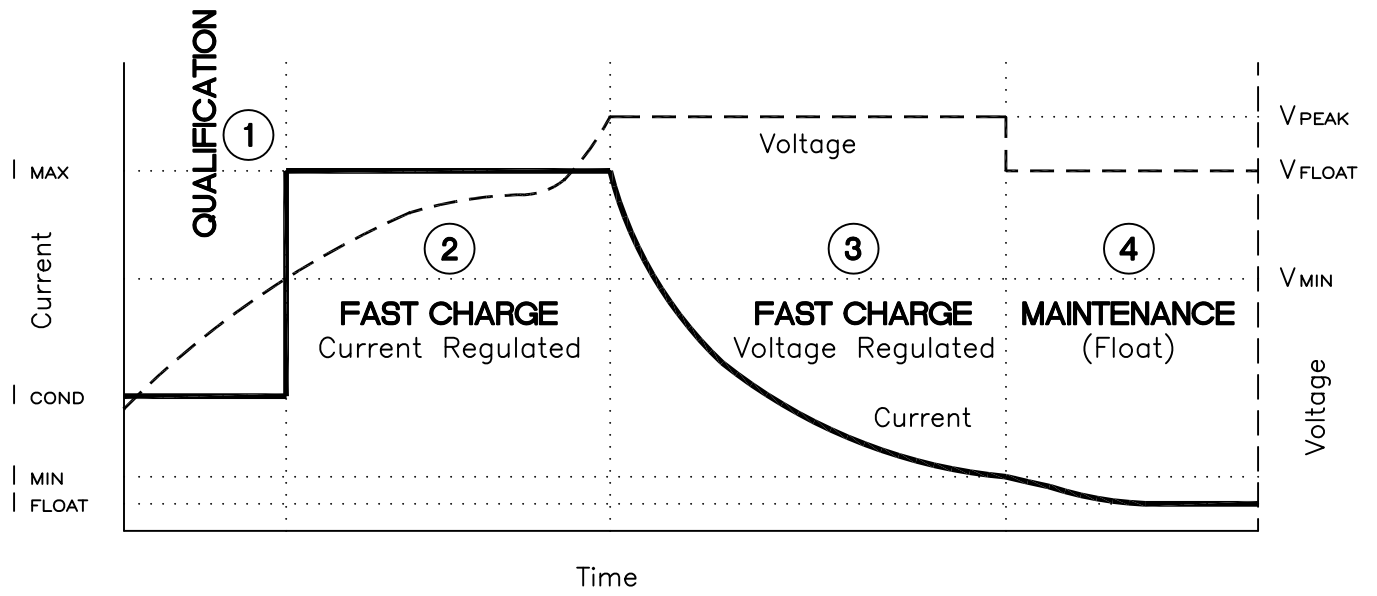


figure 1