

## Charging Batteries with UPG Small Chargers

### UPG Numbers D1724, D1733, D1741, D1761 and D1730

Use an SLA charger that is the correct voltage for your SLA battery and between 10 to 30% the Amp Hour Rating of the battery. A 5Ah SLA for example needs a charger from 10% of 5Ah or .5 amps to 30% of 5Ah or 1.5 amps. Make sure the battery is at room temperature 72 F.

### Single Stage Chargers D1724, D1733

Make sure the switch on the D1724 is the in correct position 6 Volts or 12 Volts for the battery you are charging. Make sure the battery is at room temperature 72 F.

When using a single stage charger at room temperature it is important to constantly monitor the battery voltage with a calibrated voltage measuring instrument and **NOT** leave the charger connected to the battery for any length of time.

Connect the battery to the charger; **(+)** output to the **(+)** battery terminal and **(-)** charger output to the **(-)** battery terminal.

When the battery voltage reaches 7.4 volts for a 6-volt battery or 14.8 volts for a 12 volt battery then you need to terminate the charge and disconnect the battery from the charger.

**NOTE:** If the battery is left connected to the charger the battery will be overcharged.

Battery Voltage	Battery Charge Termination Voltage	Temperature
6 Volt	7.4 Volts	Room Temp. 72 F
12 Volt	14.8 Volts	Room Temp. 72 F

### Dual Stage Chargers D1741, D1761, D1730

Again,use an SLA charger that is the correct Voltage for your SLA battery and between 10 to 30% the Amp Hour Rating of the battery. A 5Ah SLA for example needs a charger from 10% of 5Ah or .5 amps to 30% of %Ah or 1.5 amps. Make sure the battery is at room temperature 72 F.

Connect the battery to the charger; **(+)** output to the **(+)** battery terminal and **(-)** charger output to the **(-)** battery terminal.

The **Red LED** indicates the charger is in the bulk charging stage and should turn on when the battery is connected to the charger...

The **Green LED** indicates the charger is in the float charging stage and that the battery is charged.

