

The ST-1100 Battery Charging System is designed to recharge GPS Insight ST-1100 batteries.

## Before You Begin

- This charging system is limited to ST-1100 only
- It is not possible to overcharge using this charger as the battery pack contains two separate cells and an internal control circuit.
- This charger (power supply) is only providing power (wattage) to the onboard battery charger inside the battery pack.
- It is normal for the battery pack to raise in temperature slightly during charging. Disconnect the charger from wall power when not in use, this will prolong the lifespan.
- It will not damage the packs to be “topped off” after sitting in the sun however, if they are provided enough sunlight, we doubt they will need to be.
- Do not ingest any part of the charger or its components.

## Installation Overview

1. Plug In
2. Slide Battery into Place
3. Check Amperage
4. Fully Charged Pack

## Installation Steps

### 1. Plug In

Plug the charger into a 110-120vac 60hz outlet.

- Red LED will illuminate if power is present at the outlet



## 2. Slide Battery into Place

Slide the ST-1100 battery into place.



**Note.** Bolts will not be used, they remain in the battery but do not tighten to the charger.



### 3. Check Amperage

In this example, the battery is drawing .66amps. or 660 milliamps.

- This is a normal reading for a depleted battery pack. Expect 12-15 hours to fully charge from here.



## 4. Installation

The battery pack is fully charged when the Amperage reading (current draw) is .02A or less.



**Note.** Fully charged battery packs should be removed from the charger and placed in the sun. This will maintain the packs and keep them ready for use.