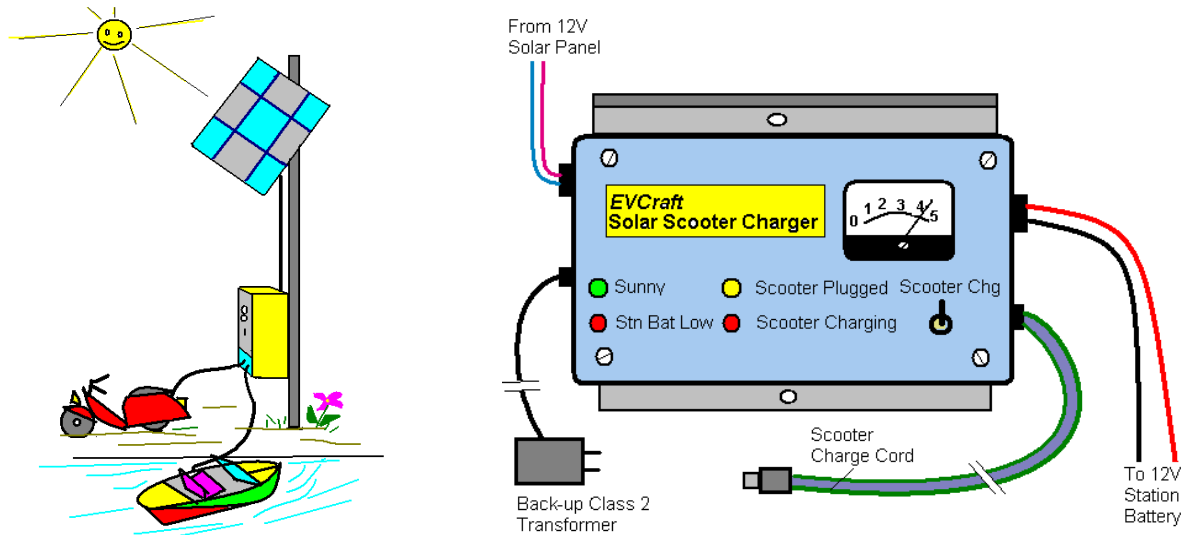


## PRIVATE SOLAR CHARGE STATION FOR ELECTRIC BOAT/ SCOOTER

- Charge your Electric Vehicle without paying for electricity
- Charge where there is no electricity (Lakeside, Farm, Cottage, etc.)
- Features Station Battery to charge the vehicle at night or cloudy days.
- Models ordered for 24, 36, 48 and 72V vehicles.



Imagine charging your Electric Boat, Scooter, Snow-craft or any other Electric Vehicle at your own private solar charge station. You can set up this small station anywhere with no need for electric power service.

This affordable system consists of a 12V Solar Panel, a 12V Deep-Cycle Station Battery and a Controller. The controller boosts 12V station-battery voltage to proper levels and controls the scooter battery charge process for its maximum life.

Further, an optional Remote Link informs the owner of station or vehicle charge troubles.

***This station is offered as complete kit or just the Controller (for customer purchased solar panel and station battery).***

### **SPECIFICATIONS:**

**Solar Panel:** nominal 12V, 80 to 100W ( size usually 32' x 20 ")

**Optional Line Back-up:** Input from a 16VAC-75W class 2 transformer

**Station Battery:** 12V at least 100AH (group 29 Marine deep cycle)

**Station Controller:** A microprocessor based Charge controller for station battery charge as well as a boost converter charger for the scooter battery (usually 48V)

**Vehicle Charge line:** power cord directly connected to scooter, it will go up to 58V with 2Amp

**Scooter Charge algorithm:** Constant Current followed by Constant Voltage. Charge complete when battery accepted current drops to 0.5A plus Automatic monthly equalization

**LED Indications on the Controller:** Sunny and Station battery Charging (Green), Station Battery Low (Red) , Scooter Charging (Amber) and Scooter Charge Complete (Green).

**Remote Report:** A closed contact reports station trouble; Station Battery Low or incomplete scooter charge interruption.