Instruction Manual

Important! Please read instructions before operating.

Model/Number: Nature Power 8 Amp Charge Controller /60008
Electrical: Handles up to 8 Amps = 130 Watts of Solar Power
Cut-in Voltage: 13Volts
Cut-Out Voltage: 14.2 Volts

Includes:

- 8 Amp Charge Controller



To Install:

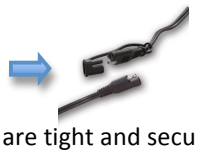
Mounting:
Consider the location – ideally placed within 2 -5 feet of battery, in a well protected dry place, free from moisture and weather. This product is designed to be flush mounted or wall mounted.

Connection:
Step 1: **connect the charge controller to the battery**
Using "to Battery" wire, connect the battery clamp adapters to the charge controller. (J-Plug to J-Plug shown **Fig. 1**). Next, Connect red positive(+) battery clamp to the positive(+) battery terminal. Then connect the negative(-) battery clamp to the negative (-) battery terminal.

Step 2: **connect the charge controller to the solar panel**
Using "to Solar Panel" wire on the charge controller. Connect J-Plug to the solar panel J- Plug. (J-Plug to J-Plug shown **Fig. 1**).

WARNING: Connections must be placed in order and ensure that the positive (+) matches the positive(+) and the negative (-) matches the negative (-). (Connections are in Parallel) Wrong connections may cause damage to parts or all of the system.

Fig. 1 – J-Plug Connection



Confirm that connections are tight and secure.

Connecting Multiple Solar Panels?
Contact Nature Power for 3 -in-1 J-Plug connection wire, or more information on connecting multiple solar panels.

Product Description:
Any solar panel that is rated 12 watts or higher requires the use of a charge controller. Nature Power Solar panels and charge controllers come equipped with easy j-plug adapters. The 8 Amp Charge controller is designed to protect your 12 Volt batteries from being overcharge by high voltage surges and prevents discharging of the battery overnight. LED lights display battery "Charged" or battery "Charging". Never deeply discharge your battery; never let your battery voltage pass below 11.0 volts. It will cause permanent damage to the battery. Use a DMM (Digital Multi-Meter) to measure your battery's voltage. When connecting and during operation it is normal for both lights to flicker for a short time.

IMPORTANT:

- Observe manufacturer's safety procedures when working around batteries and other electrical equipment
- Always connect charge controller to the battery first and remove last.
- This product is designed to be used on 12 volt configurations in parallel, (optional 6 volt in series)
- This product is designed to receive charges from 12 Volt Solar Panels
- This product should be placed in a well ventilated dry area, free from flammable gases, weather, and moister Charge controller is NOT weatherproof
- Charge controller should not be installed further than 2 to 5 ft. way from the battery. Solar Panel length must not reach further than 20 ft way from battery or loss of current may occur.
- LED light indicates a full battery charge "green" at 14.2 Volts, at this time the charge controller will cut out to prevent overcharging
- LED light indicates battery charging "yellow" when battery reaches below 13 Volts, charge controller will cut in and allow solar panel to being charging
- Charge controller can handle up to 130 Watts of solar power

Limited Warranty: Proof of Purchase is Required (Receipt)
1 Year: Free from defects in material and workmanship