

Instruction Manual

The solar charge regulator is designed to control the charging from the solar panel into the battery, and the power drawn from the battery to the outputs. It therefore ensures the entire solar system is kept in proper working condition.

Technical data:

Operating temperature	-10°C - 42 °C	Humidity	≤80%
Solar panel	Max. 80W@17.5V	Recommended battery	12V/ (10-40) Ah deep Cycle
Max. DC output	4A	Output DC voltage	3V, 6V, 12V (±10%)
Over discharge protection	≤10.5V	Over charge protection	≥15V

How to Charge:

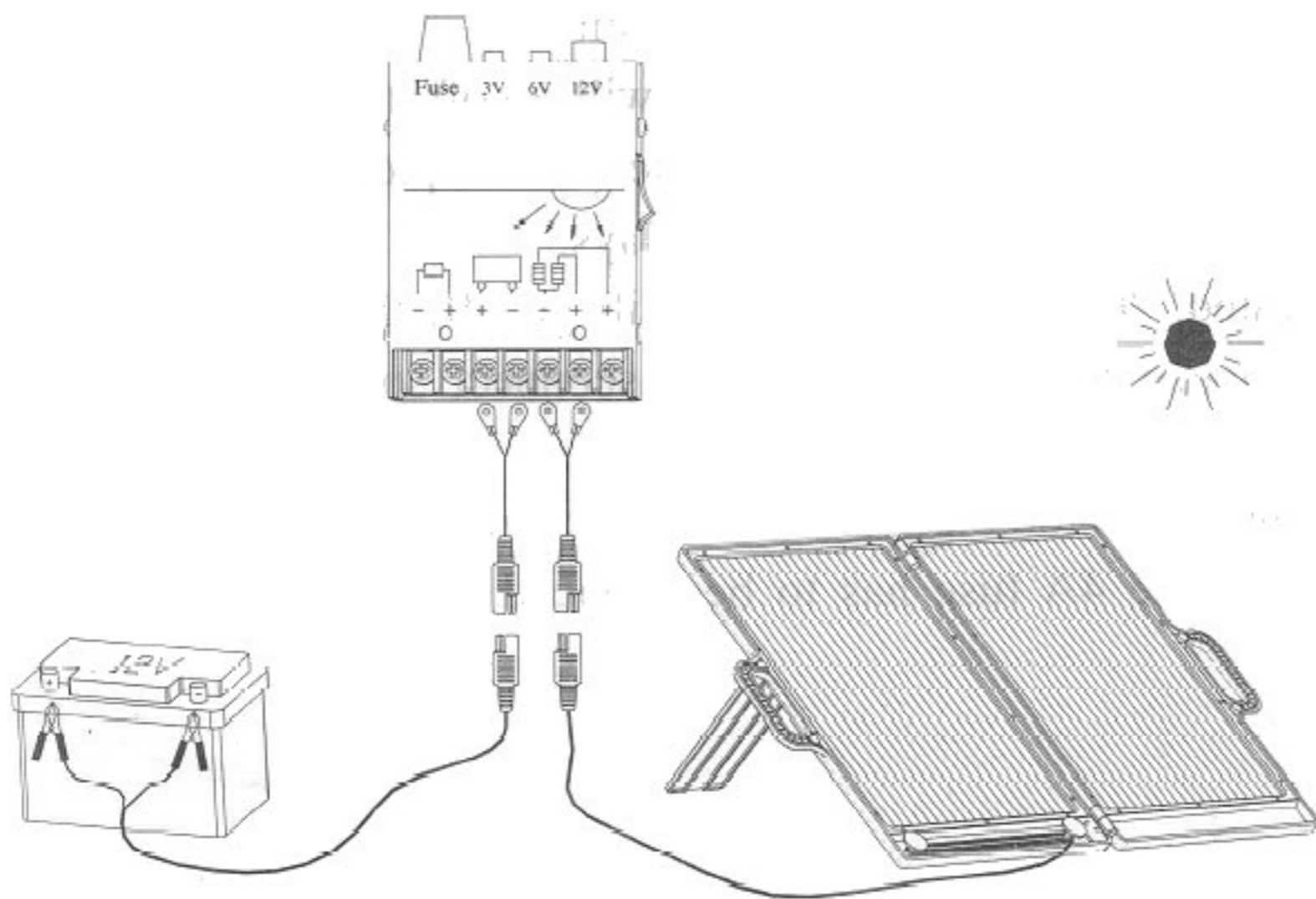
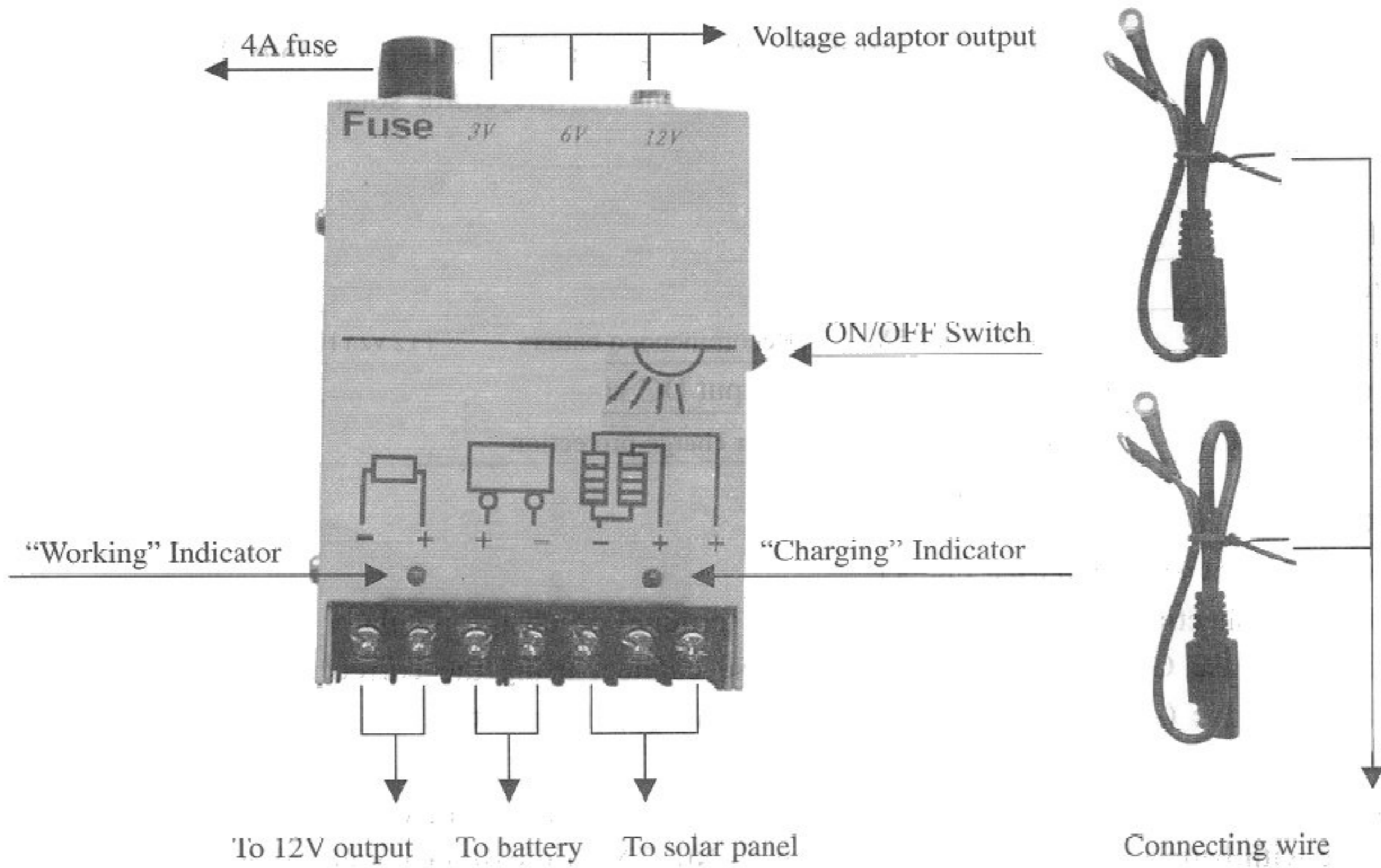
- Turn OFF the power switch (See Fig. 1)
- Secure the connecting wire to the “Solar Panel” terminal on charge regulator (See Fig. 1), then to N00CX Briefcase Generator (See Fig. 2). Please connect using the correct polarity. Black lead indicates negative (-) and red lead indicates positive (+). Ensure that the connection is tight and secure.
- Secure the connecting wire to the “Battery” terminal on charge regulator (See Fig. 1), then to the DC cable with battery clip which is included with N00CX Briefcase Generator, then connect to the battery (See Fig. 2). Please connect using the correct polarity. Black lead indicates negative (-) and red lead indicates positive (+). Ensure that the connection is tight and secure.
- The charge regulator provides the following protection for the whole system:
 1. **Over-discharge protection:** When activated, “Working” indicator will go off, the charge regulator will shut off power output to prevent damage to the battery. In such cases, please stop using any devices/appliances and charge the battery in bright sunlight for 2-3 days.
 2. **Over-charge protection:** When activated, “Charging” indicator will go off, the charge regulator will shut off power input from solar panel to battery. Please disconnect solar panel from the charge regulator.
 3. **Over-load protection:** if the output power gets too big, the fuse in the charge regulator will blow to prevent damage to the controller itself. The 4A fuse has to be replaced in order for the charge regulator to resume working.

How to use

- Turn ON the power switch
- Secure the connecting wire to the “12V output” terminal on charge regulator (See Fig. 3) then to the DC cable with the car cigarette lighter socket which is included in N00CX Briefcase Generator, then to your application which must be a car charging device.
- 3V, 6V, 12V output is also available using the charge regulator (on top of the charge regulator next to the fuse). Select the required voltage and plug your application in.
- Turn ON the power switch

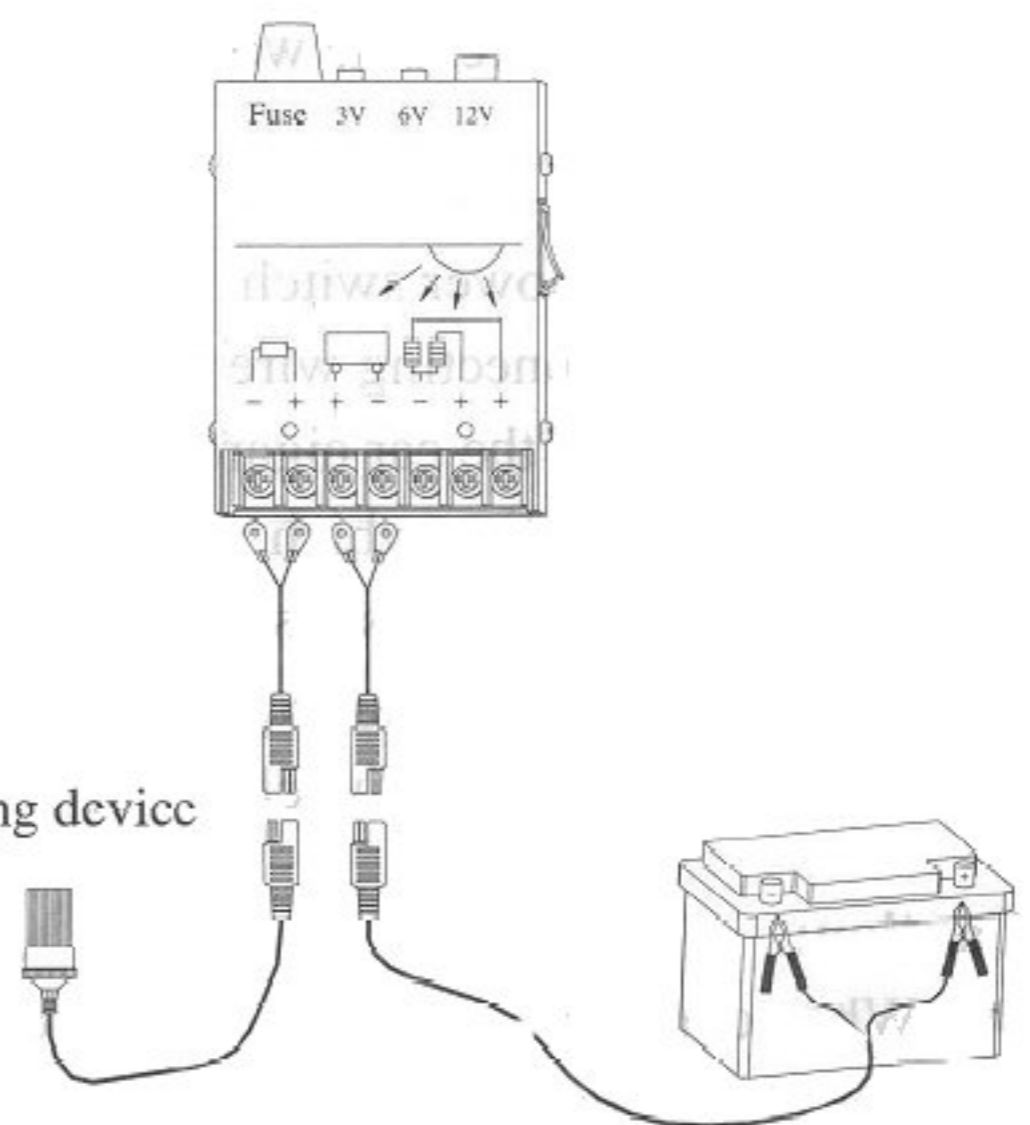
Caution:

- When connecting devices to solar charge regulator, please ensure that the switch is turned OFF.
- The charge regulator must be turned on in order to activate all its functions.
- This charge regulator is not water proof, please keep the product away from water.



How to charge

Output to car charging device



How to use