



## 10W Solar Panel

— Solar Battery Charger or Maintainer

### Owner's Manual



**Thank you very much for choosing a POWISER product !**

**Please read this manual carefully before use and keep it properly.**

# Installation

## Connection Installation

1. Connect the solar panel ① and the alligator clip ④ ⑤ or DC Car Plug with the plug connector ② ③. The white (red) wire is positive.

2. Connect the alligator clip to the battery: The red clip ④ is the positive pole and the black clip ⑤ is the negative pole ,connect ④ and ⑥, ⑤ and ⑦.

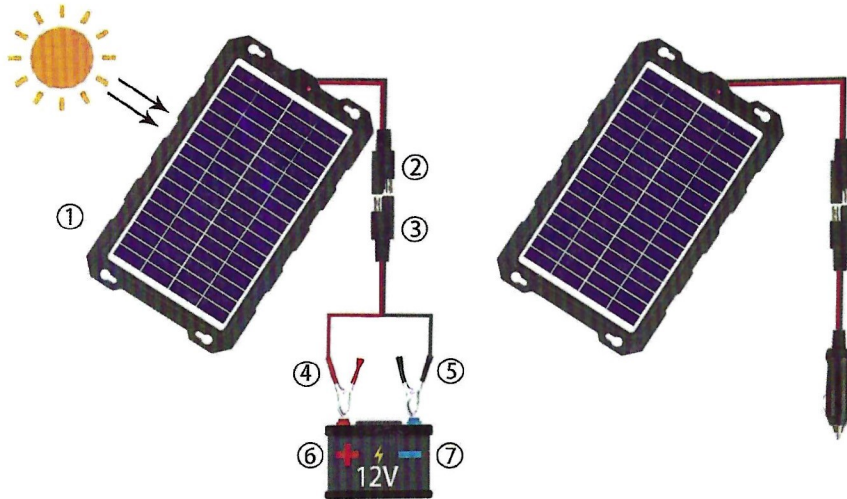
3. Place the panel under unobstructed sun and check whether the red light is on.



Please put the solar panel in a sunny place without shadows, and the red indicator light will be on when the sun is received.



When the solar panel is connected to the battery, the green indicator light is on. It means charging.



Connect The Battery

Connect Cigarette Lighter

## Component Installation

Suction cup installation steps:

1. Put the bottom of the suction cup into the mounting hole, move it up or down and snap it into the slot.
2. The suction cup can be installed on the front or back of the solar panel.



Put the solar panels on the roof and the sun shines directly.



Don't put solar panels under the eaves, they will block out the sunlight.



Put the solar panels on the roof of the car and the sun shines directly.



Don't put the solar panels next to the car, it will block out the sunlight.



Solar panels should be positively directed at sunlight, and form 90 degrees with sunlight, which is the most efficient way to generate electricity.



Don't put solar panels under trees, they will block the sunlight.

## Reminder

1. Before switching on the wire, please separate the red and black clamps to avoid collision and short circuit.
2. The more sunshine there is, the better the charging effect will be.
3. If conditions permit, place the solar panels directly into the sunlight to achieve maximum efficiency.
4. Charge controller is not waterproof, Need to be installed indoors

## Limited Warranty

POWISER warrants our products to the original purchaser that this product is free from defects in materials and workmanship for the period of **one year** from date of purchase. In addition, this item is warranted to generate up to 80% of rated power for a period of **five years** from date of purchase. In the case of product defect, contact POWISER customer service to receive troubleshooting. If defective part or unit should be returned, a return Authorization Number must be issued by POWISER and the defective part or unit should be returned to the authorized location at the purchaser's expense. A dated proof of purchase is required to receive warranty service. Once received at authorized location and defect proves to be the result of defective material and workmanship, the defective part or unit will be replaced at warrantors' option and returned to the original purchaser at warrantors' expense. No refunds will be granted by the warrantor, in the event of buyer's remorse please contact your point of purchase within and in adherence to their return policy. Refunds are granted at the retailers' discretions.

**Dated Proof of Purchase is required.**

### Limitations on the Warranty

This limited warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; (e) product alteration in any manner, and broken glass.

### Technical Specifications

Property	Specification
Solar Panel Type	Polysilicon
Maximum Wattage	10W
Open Circuit Voltage	21.3V
Short Circuit Current	650 mA
Operating Voltage	12V
Maximum Power Current	556 mA
Weight	2.2lbs
Measurements	14 * 8.5 * 0.8 inch



Please contact POWISER Products to acquire more information:

[powiser@outlook.com](mailto:powiser@outlook.com)

**Made in China**