



# **Solar 12 Volt Battery Maintainer**



**User's Manual**

## **Solar 12 Volt Battery Maintainer**

Solar Power Panel

1.8 Watt/125 mA

Read this manual BEFORE and DURING the use of this product

Specifications and Included Items:

Power Rating: Up to 1.8 Watts

Current: 125 mAmps @ 15Volts.

Includes: Suction Cups, 7.5ft Wire,

Alligator Battery Clamps, 12 Volt DC Plug

### **Installation**

*Installation through 12 Volt DC Plug:*

Plug the 12VDC Plug into the 12 Volt DC socket in vehicle. Make sure both ends are secure and aligned correctly. For optimal power, ensure the panel (solar cell up) is directly facing the sun.

*Installation to Battery by Alligator Clamps:*

Connect the alligator clamps correctly by matching the red clamp which is Positive (+) to the Positive (+) terminal on your battery. Connect the black Clamp which is Negative (-) to the Negative (-) Terminal on your battery.

WARNING Follow this carefully to not cause any bodily harm. Wrong connections may cause sparking or explosion.

For optimal power, ensure the panel (solar cell up) is directly facing the sun.

*Mounting With Suction Cups to the Windshield:*

Insert the 2 Suction Cups into the predrilled ends of the solar panel. Make sure they are secured properly in the panel. Choose a location preferably facing the sun and attach to the windshield or other glass surface. For best results, ensure windshield is dry, clean, room temperature and slightly lubricate the suction cups before mounting. Lubricants may include Saliva or Vaseline

### **NOTE:**

This solar panel has a built in blocking diode to prevent reverse discharge. The use of this panel is not recommended while vehicle is in use. When operating your vehicle it is best to secure the solar panel in the glove box or under the seat. This solar panel is not weatherproof if panel is weathered the warranty will become void. Unit can be weatherproofed by using clear silicone caulking around the edges of the glass frame and around the plugs to block moisture.

## **FAQ**

### **What type of batteries does this panel maintain?**

All rechargeable 12V batteries like those used in Cars, Boats, RV's, Motorcycles and PWC's.

### **Can I use this solar panel outdoors?**

No, this solar panel is not weatherproof. If this solar panel is weathered the warranty will become void.

### **Do I need a Sunforce charge controller?**

No, a solar battery charge controller is only needed for panels of 15 Watts or greater.

### **Can I start/drive my vehicle while the unit is connected to the battery?**

No, for safety reasons please make sure the panel is not in use while you are using your vehicle.

### **How do I know if the panel is working?**

To measure the voltage of the panel use a voltmeter. The voltage reading should be between 16 and 25 Volts in full sun.

## **Warranty**

This product is covered by a five year limited warranty. Sunforce Products Inc warrants 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. Power output is warranted for five years from date of purchase.

To obtain warranty service please contact Sunforce Products for further instruction, at 1-888-478-6435 or email [info@sunforceproducts.com](mailto:info@sunforceproducts.com). Proof of purchase including date, and an explanation of complaint is required for warranty service.

**For more information or technical support  
Pour plus d'information ou support technique**

**1-888-478-6435**

**[www.sunforceproducts.com](http://www.sunforceproducts.com)**

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