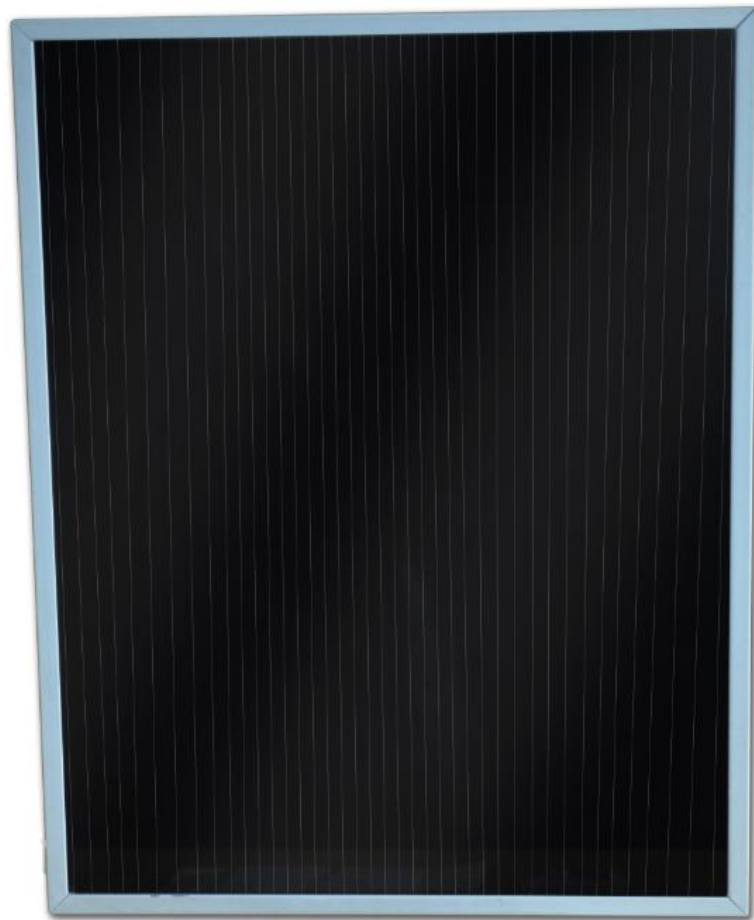




7 Watt Solar Charger

Solar Panel

Owner's Manual



Warning:

Read carefully and understand all **ASSEMBLY AND OPERATION INSTRUCTIONS** before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury.

Item# 28650

Thank you very much for choosing a WelBilt product! For future reference, please complete the owner's record below:

Model: _____ Purchase Date: _____

Save the receipt, warranty and these instructions. It is important that you read the entire manual to become familiar with this product before you begin using it.

This solar panel is designed for certain applications only. The distributor cannot be responsible for issues arising from modification. We strongly recommend this solar panel not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, DO NOT use this item until you have first contacted the distributor to determine if it can or should be performed on the product.

For technical questions please call **1-800-222-5381**.

Intended Use

To extend the life and keep 12 Volt batteries healthy they need to be recharged on a regular basis, the 7 Watt Solar Charger will help with recharging 12 Volt batteries. This product is designed to charge rechargeable 12 Volt batteries. Some common uses of 12 Volt batteries are to provide power to RVs batteries, water pumps, deer feeders, boats and trucks. When the panel is exposed to sunlight and connected to the battery in parallel it will start charging at a current up to 7 Watt or 583 mAmps per hour.

Technical Specifications

Rated electrical characteristics are within +/-3 percent of the indicated values.

Specifications	
Maximum wattage	7 Watts
Maximum Output	583mA
Working Voltage	15 – 17V
Solar Panel Type	Amorphous Solar Technology
Weight	3.09 Lbs
Dimensions	12.4 x 15.7 x .72"

The above electrical characteristics are based on the results of outgoing test. Do not expose solar module to sunlight concentrated with mirrors, lenses or similar means.

Under normal conditions, photovoltaic modules may experience conditions that produce more current and/or voltage than reported at Standard Test Conditions. Modules should be multiplied by a factor of 1.25 when determining component voltage ratings, conductor capacities, fuse sizes and size of controls connected to the module output. Refer to Sec. 6908 of the National Electric Code for an additional multiplying factor of 125 percent (80 percent of rating), which may be applicable.

Important Safety Considerations



WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in serious injury.



CAUTION: Do not allow persons to operate or assemble this 7 Watt Solar Charger until they have read this manual and have developed a thorough understanding of how the solar panel works.



WARNING: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

7 Watt Solar Charger Maintenance and Care

- **Do not modify the 7 Watt Solar Charger in any way.** Unauthorized modification may impair the function and/or safety and could affect the life of the equipment. There are specific applications for which the 7 Watt Solar Charger was designed.
- **Always check for damaged or worn out parts before using the 7 Watt Solar Charger.** Broken parts will affect the 7 Watt Solar Charger operation. Replace and repair damaged or worn parts immediately.
- **Store 7 Watt Solar Charger.** When 7 Watt Solar Charger is not in use, store it in a secure place out of the reach of children. Inspect it for good working condition prior to storage and before re-use.
- **Avoid** exposing solar panels to partial sunlight or shadows. Partial sunlight can cause hot spots on the panel.
- **Do not** wear metallic jewelry when working on electrical equipment.
- **Do not** place items on the glass of the solar module.
- **Do not** pour chemicals or solvents on module when cleaning.
- **Keep solar module away from children.**

Assembly

1. Attach the positive battery clamp to the positive battery terminal and the negative battery clamp to the negative battery terminal.
2. Expose the solar panel to sunlight.

Tilt Mounting

On the back of the solar panel observe the metal brackets embedded in the frame of the solar panel for tilt mounting option

1. Insert the threaded side of each mounting pole into the bolts on the backside of the solar panel.
2. Then secure the solar panel on a flat surface directed toward the sun.

Flat Mounting (Required tool 1/8")

On the back of the solar panel observe the metal brackets embedded in the frame of the solar panel for flat mounting option

1. Remove one headless screw from the bracket with a 1/8" flat head screwdriver.
2. Align the Mounting bracket to the hole at an angle so the other headless screw is visible, insert the first screw in the Mounting bracket.
3. Remove the second headless screw and rotate the bracket so that the second screw fits in the hole, insert a second screw.
4. Repeat above steps with remaining brackets and screws.
5. Turn solar panel over and lay across a flat surface. Insert screws into bracket and secure to mounting surface
6. We suggest keeping a 1/2" space between the solar panel and the mounting surface for proper ventilation.

Note: The longer mounting screws included are for wood and other pliable surfaces. To mount on brick or other surface please purchase appropriate screws at your local hardware store.

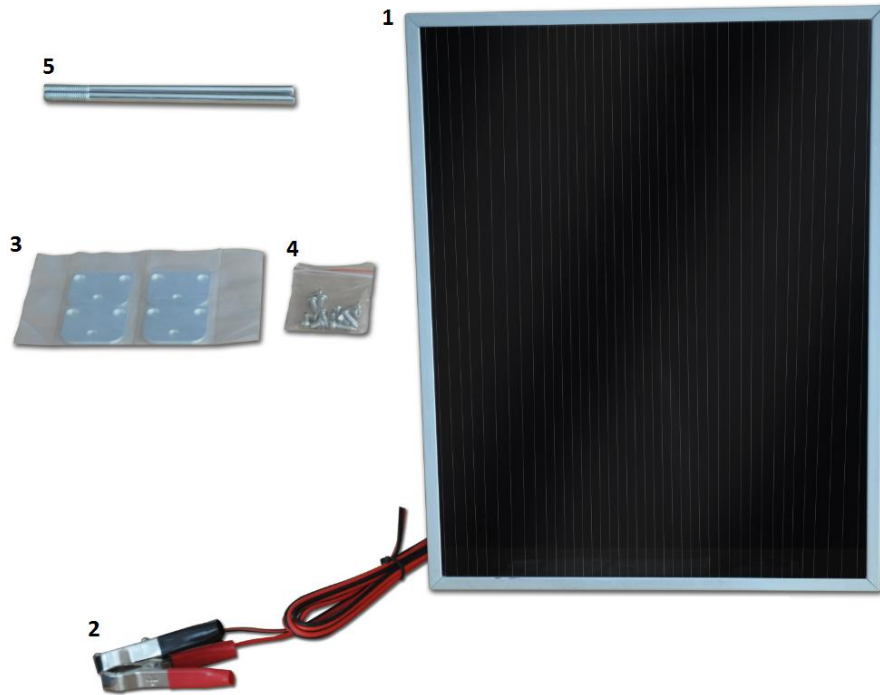
Operation

The solar panel will produce a current when exposed to sunlight. Direct sunlight will produce best results. Diffused or low light will result in lower or no output.

Maintenance

- It is recommended that the general condition of any 7 Watt Solar Charger be examined before it is used. Keep your 7 Watt Solar Charger in good repair by keeping it clear of dirt and debris.
- You may wipe your 7 Watt Solar Charger with a damp cloth if necessary. Do not use soap or solvents
- **Do not** pour chemicals on module when cleaning

Diagram and Parts List



Part#	Description	Qty.
1	Solar Charger	1
2	Battery clamps	1
3	Mounting Brackets	4
4	Screws	12
5	Tilting Poles	2

For replacement parts and technical questions, please call **1-800-222-5381**.

Warranty

This product is covered by a 5 year limited warranty. The product is warranted to have no less than 80% of the rated power output for a period of 5 years. The product is warranted to the original purchaser only. Proof of purchase is required.



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