



SECOND SOLAR PANEL FOR EZ-SOLAR POWER KIT

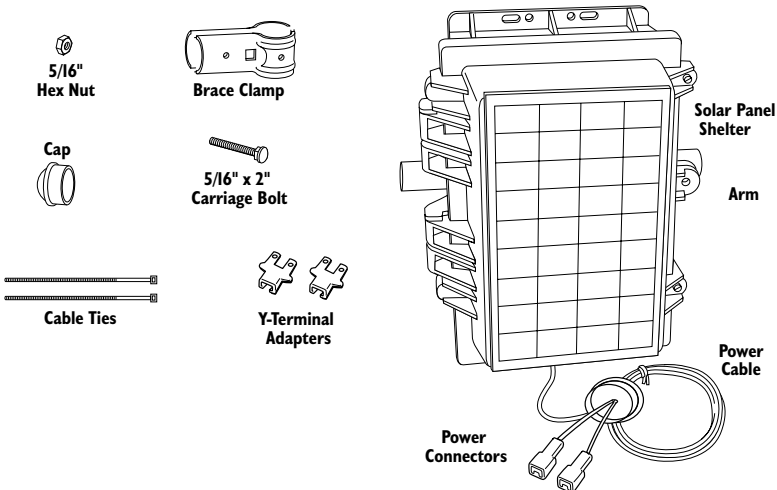
This manual describes how to install and use the Second Solar Panel for the EZ-Solar Power Kit. The second panel is for use in far northern or southern latitudes, where wintertime light is limited, as well as other locations with limited solar exposure. This panel doubles the amount of light-gathering capability of your solar powered EZ-Mount system. It includes a solar panel and regulator circuit.

Note: *The Second Solar Panel is only for use with the EZ-Solar Power Kit 7707.*

CAUTION: *Please note that while we have made every attempt to design and manufacture a safe product, Davis Instruments cannot assume liability for any injury or damage caused directly or indirectly by the installation or use of this product.*

Components

The EZ-Solar Power Kit includes the following components. Please be sure you have all listed components before beginning.



Tools and Materials Needed

You may need the following for this installation:

- ◆ Adjustable Wrench or 5/16" Wrench
- ◆ Flat Head Screwdriver
- ◆ Pliers
- ◆ Wire Cutters or Scissors

Installation Guidelines

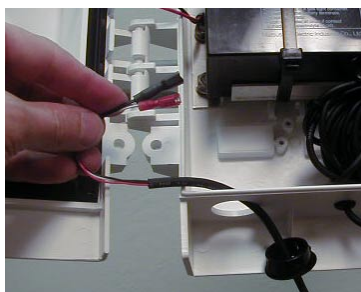
- ◆ The power cable supplied is six feet (6', 1.8 m) long. Mount the Second Panel close enough to your EZ-Solar Power shelter for the power cable to reach without stressing the power cable connections.
- ◆ Refer to the EZ-Solar Power Kit manual for complete mounting instructions.

Connecting the Cables

1. Open the EZ-Solar Power shelter door using a flat head screwdriver.
2. Disconnect the red/white wire from the positive (+) battery terminal.
3. Disconnect the black wires from the negative (-) battery terminal.
4. Install the Y-terminal adapters on the battery terminals. It is a tight fit, so you might want to use pliers to push the Y-terminal adapters onto the battery terminals.
5. Connect the red/white wires from the regulator to the Y-terminal adapter on the positive (+) battery terminal.
6. Connect the black wires from the regulator to the Y-terminal adapter on the negative (-) battery terminal.
7. Remove one round vent plug from the bottom of the EZ-Solar Power Panel.
8. Run the EZ-Solar Second Panel power cable up through the power panel vent hole.
9. Press the power cable's vent plug into the vent hole until it locks into place.



Y-terminal adapter installed on negative battery terminal



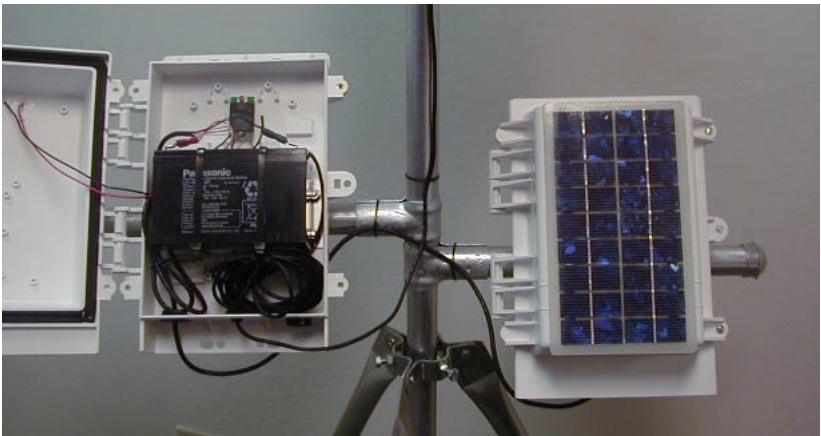
Running the Second Solar Panel power cable into the EZ-Solar Power shelter

10. Connect the red and white wires from the Second Solar Panel to the Y-terminal adapter on the positive (+) battery terminal.
11. Connect the black wires from the Second Solar Panel to the Y-terminal adapter on the negative (-) battery terminal.



Second Panel power cable connections to the Y-terminal adapters

12. To avoid wind damage, stuff any extraneous cable length back into the field case and use the two cable ties provided to strap any exposed cables to the extension tube (or tripod).



Excess cable secured inside the EZ-Solar shelter, external cables tied to mounting pole.

13. Close the EZ-Solar Power shelter door and secure the two mounting screws using a flat-head screwdriver.
You have completed the installation.



Product Numbers: 7705

Davis Instruments Part Number: 7395.146
Second Solar Panel for EZ Solar Power Kit
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This product complies with the essential protection requirements of the EC EMC Directive 89/336/EC.

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