

# 5 Watt Solar Panel Installation Instructions (SOLAR-5W)

## Items Included

- 5 watt solar panel with fixed bracket mounting hardware (fixed bracket, clamp, two bolts, two lock washers, two washers)
- One U-bolt with saddle and two flanged nuts for mounting solar panel to a 4.1 cm (1.63 in.) diameter mast

## Tools Required

**Note:** Both Metric and English sizes are required.

- 10 mm wrench
- ½ inch wrench

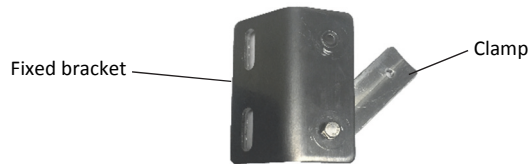
**Important:** The solar panel **must** be mounted where it will receive full sunlight or performance will be severely degraded.

## Specifications

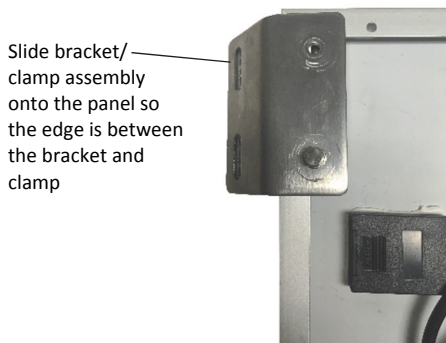
<b>Power</b>	5 Watts
<b>Operating Temperature Range</b>	-40° to 85°C (-40°F to 185°F)
<b>Materials</b>	Polycrystalline silicon solar cell; aluminum frame and mounts; zinc-coated steel bolts, nuts, washers, and U-bolts
<b>Dimensions</b>	222 x 270 x 18 mm (8.74 x 10.63 x 0.71 in.)
<b>Weight</b>	0.75 kg (1.65 lb)
<b>Cable Length</b>	2 m (6 ft)
<b>Environmental Rating</b>	Weatherproof when mounted properly, not waterproof
<b>CE</b>	The CE Marking identifies this product as complying with all relevant directives in the European Union (EU).

**1** Remove any plastic on the solar panel or hardware. It is recommended that you lubricate all nuts and bolts with multi-purpose or protective lithium grease to facilitate easy removal at a later date.

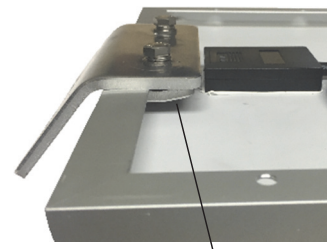
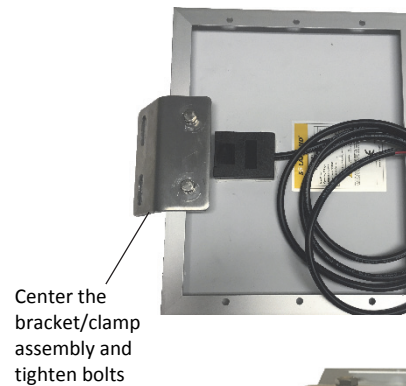
**2** Loosely attach the fixed bracket to the clamp using one bolt, lock washer, and washer.



**3** With the cable side of the solar panel facing up, slide the clamp under the edge of the frame and the fixed bracket over the edge.

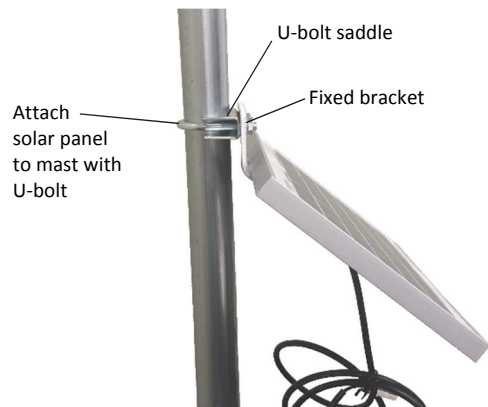


**4** Center the bracket/clamp assembly to the left of the cable circuit box. Use a 10 mm wrench to loosely tighten the bolt. Insert the other bolt, lock washer and washer through the other hole. Tighten both bolts with the 10 mm wrench. Do not overtighten the bolts.

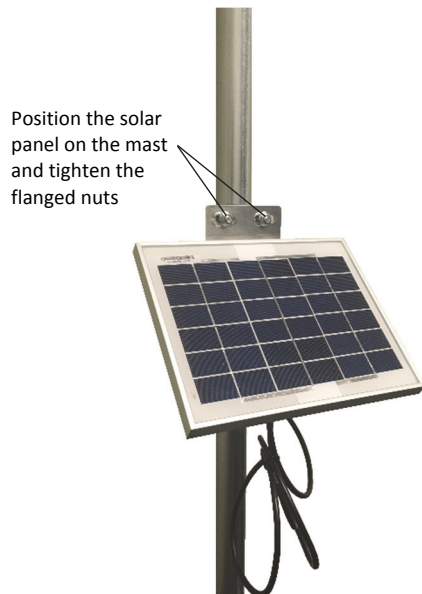


Side view of proper bracket/clamp assembly

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- 5** Attach the solar panel to the mast with the U-bolt assembly. The fixed bracket should be flush against the U-bolt saddle.



Move the solar panel to the position on the mast where it will get the maximum amount of direct sunlight over the course of the day. Use a ½ inch wrench to tighten the flanged nuts on the U-bolt.



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- 6** Plug the cable into the HOBO station's charging port. Refer to the HOBO station user's manual at [www.onsetcomp.com/support/manuals](http://www.onsetcomp.com/support/manuals) for the location of the charging port on the station. Use zip ties to secure the cable against the mast.