Solar Panel - 9W

PRT-13784 ROHS

**DESCRIPTION**

- Monocrystalline cells - 19% efficient
- Open Circuit Voltage: 7.0V
- Peak Voltage: 6.0V
- Peak Current: 1500mA
- Peak Power: 9.0 Watts
- Four screws on back corners of panel allow multiple mounting options
- Waterproof Urethane Coating
- UV Resistant
- 220mm x 255mm x 5mm (8.7in x 10.1in x 0.2in)

**INCLUDED**

**FEATURES**

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PROTOTYPING  SOLAR

Solar Panel - 9W Product Help and Resources

**VIDEOS**  SKILLS NEEDED

SparkFun Rogue Router - Solar Powered File Server

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Customer Comments

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Member #95790 / about 2 years ago / ★ 2

“The panel is capable of 9 watts in the open sun with a peak power output around 6V at 1500mA.”

Solar panels are rated for output based upon standard test conditions (STC) of 1000 W/m² solar irradiance @ 25 degrees celsius. Solar irradiance varies dramatically both seasonally and geographically. For a fixed plate latitude (ideal for mounting a fixed, non-tracking, non-collecting
panel), you can look at the NREL website to get average solar irradiance for your area (http://www.nrel.gov/gis/solar.html). If your area, eg Colorado in August, gets about 6 kWh/m²/day, you should get an average of 54 (6 * 9) Wh/day with a 9 W panel. If your area, eg Colorado in January, gets about 3.5 kWh/m²/day, then you should get an average of 31.5 (3.5 * 9) Wh/day with a 9 W panel.

If you are directly powering, all you need to do is calculate the minimum solar irradiance in your area and pick an appropriately sized solar panel. If you are charging a battery, be sure to factor in power loss due to charging. In this case, Lithium-ion battery would be ideal because of their charging efficiency.

Almost /watt!!!!

Assuming it is made by Voltaic Systems, then it is 360g (12.75oz) according to their website.

Can anyone tell me what the weight of this product is? -tia

Looks like a solar panel made by Voltaic Systems. I have two of the 9 panels from Voltaic Systems and they work well. Should be located outdoors to meet the listed power specifications.