Small 6V 1W Solar Panel – Silver

PRODUCT ID: 3809

These panels come to us from Voltaic Systems, makers of excellent solar-powered bags and packs. These are waterproof, scratch resistant, and UV resistant. With a high efficiency monocrystalline cell, they output 6V at 180 mA via 3.5mm x 1.1mm DC jack connector. The substrate is an aluminum / plastic composite, specifically designed to be durable and lightweight. They can easily stand up to typical outdoor use including being dropped and leaned on. They're very high quality and are perfect for outdoor projects.

These also come with 4 plastic mounting screws which makes it easy to attach the panel, even to fabric!

To connect, we suggest a 3.5mm OD/1.1mm ID DC jack, or you can use this handy 2.1mm adapter cable which will turn it into a standard 5.5mm/2.1mm DC plug

We have a range of solar panels to choose from: Medium 6V 2W, Large 6V 3.4W, Huge 6V 5.6W, and Colossal 6V 9W!

If you want to use this to charge a battery or run your project, check out our optimized Solar Lithium Ion/Polymer charger!

Check out the GitHub page for technical drawings or Voltaic Systems' DIY blog page for inspiration!

TECHNICAL DETAILS

Features

- Waterproof (IP67)
- UV resistant (10+ year life)
- Durable and lightweight
- High efficiency monocrystalline cells: 19%
- Embedded screws for easy mounting

Size and Weight

- 3.5" x 4.4" x 0.2" (89mm x 113mm x 5mm)
- 2.4 oz / 67g

Output

- Open Circuit Voltage: 7.7V
- Peak Voltage: 6.5V
- Peak Current: 180mA
- Peak Power: 1.2W
- Power Tolerance: +/-10%
- For maximum power output, orient the panel towards the sun

Construction

- Urethane coating
- 3mm aluminum-plastic composite substrate

Mounting

- Four embedded screws: 4-40 thread, 0.18" long [0.46cm]
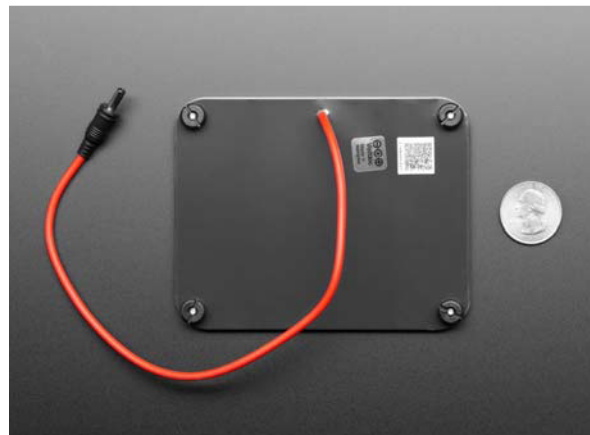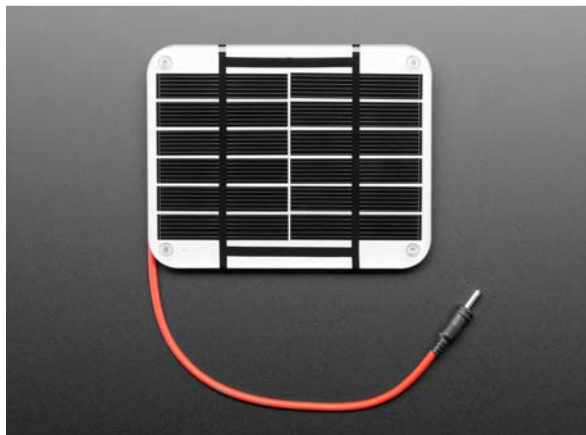
Output Cable

- Cable Length: 10.2" (26cm)
- Cable Color: Red PU Coated
- Plug: Waterproof Male 3.5x1.1mm

Warranty

- 2 year warranty on solar panels
- For more warranty information, see the warranty guide

Product Dimensions: 113.0mm x 89.0mm x 5.0mm / 4.4" x 3.5" x 0.2"

Product Weight: 67.0g / 2.4oz

Mouser Electronics

Authorized Distributor

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