



## Solar Panel Charger - 10W

PRT-16835 ROHS

Have a project that needs some good power? Do you like free power provided by our friend, Mr. Sun? This solar panel charger is a lightweight, ultra thin (2mm), and affordable power solution. This panel comes with a 5V USB connection port. The panel is capable of 10 watts in the open sun with a peak power output around 6V at 1700mA.

This panel features a monocrystalline silicon material to provide a 20% high photoelectric conversion rate. With a frosted surface makes the panel scratch resistant and more durable. This also has a water resistant epoxy resin seal. The panel is slightly flexible making it considerably lighter than equivalent glass based panels. Because it is light weight this panel is designed for temporary installation on windows (that's what the included suction cups are for) but can be permanently installed. If you're considering permanent installation, note that the DC buck on the back of the panel is not fully waterproof. As long as the panel is mounted with the connector pointed down the panel should survive quite well outdoors.

The panel weighs 3.3648 ounces and measures 259.60mm x 139.69mm x 2.46mm (9.83mm thickness at the USB port).

**NOTE:** While this product is rated at 10W we found the actual max output to be around 3W (5V at 600mA).

## INCLUDES

- 1x Solar Charger
- 2x Carbiners
- 4x Suction Feet (useful for mounting to windows)

## FEATURES

- Solar Output: 6V, 1700mA
- Output: USB 5V, 1200mA
- Water resistance: IP65
- Material: Monocrystalline Silicon
- Test Output using variable load vs. measure voltage: Load / Measured Voltage
  - No Load / 5.15V
  - 100mA / 5.12V
  - 200mA / 5.09V
  - 300mA / 5.06V
  - 400mA / 5.03V
  - 500mA / 5.00V
  - 600mA / 4.94V
  - 700mA / 4.91V
  - 800mA / 3.13V
  - 900mA / 2.72V
  - 1000mA / 2.33V
- Dimensions: 259.60mm x 139.69mm x 2.46mm (9.83mm thickness at USB port)
- Weight: 3.3648 ounces.

