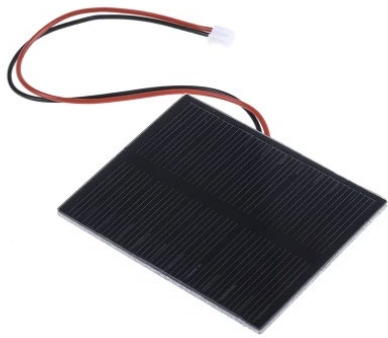


Seeed Studio PV module

Manufacturer part number 313070004



Product Details

Seeed Studio Solar Panel

The Seeed studio 0.5W is a monocrystalline silicon solar panel. This solar panel performs a higher conversion rate that up to 17% as compared to polycrystalline silicon solar panel and thin-film solar panel. This kit has a length of 70mm, a width of 55mm and a height of 3mm. It can be used for power supply.

Features and Benefits

- Maximum load voltage 6.4V
- Open circuit voltage 8.2V
- Typical current 100mA
- Typical voltage 5.5V

Specification

Attribute	Value
Power Rating	0.5W
Open Circuit Voltage	8.2V
Type	Solar Panel Kit
Dimensions	70 x 55 x 3mm
Depth	3mm
Length	70mm
Width	55mm
Better World Claim	Renewable energy solution
Better World Product	Yes

Key Features

- Made of single-crystal material (monocrystalline) that performs high solar energy transformation efficiency
- Small but able to provide enough power for your DIY projects
- A fine resin surface which makes it waterproof and a sturdy back suitable for outdoor environments
- A 2mm JST connector is attached to the panel, which makes it perfect to team up with most of our can-use-solar-power-supply boards

Description

Many people like solar energy because it is simple, clean, and renewable. Especially when you are building outdoor projects, solar energy is one of the best solutions for power supply. Depending on the project you are going to build, there are many different sizes of solar panels to choose. If you are looking for a portable solar panel, why not look at this small solar panel that we are going to introduce today: Small Solar Panel 55x70mm 0.5W.

0.5W Solar Panel 55x77 is a monocrystalline silicon solar panel, which is the main trend in the future. Comparing to polycrystalline silicon solar panel and thin-film solar panel, monocrystalline silicon solar panel performs a higher conversion rate that up to 17%. The surface is covered by a fine resin surface which makes it waterproof, together with a very sturdy back, it is really suitable for the outdoor environment.

Depending on the light intensity, the typical open circuit voltage is 5V. If you take it to a summer day with bright sunshine and no cloud in the sky, the peak OC voltage can be up to 10V. Because the voltage range is relatively wide, if you are going to use boards that require a narrow range of input voltage, such as Lipo Rider, to prevent any damage, please check whether the OC voltage is acceptable for the board before any connection.

Technical details

Dimensions
70x55x3(± 0.2) mm

Weight
G.W 20g

Battery
Exclude

Typical voltage
5.5V

Typical current
100mA

Open-circuit voltage
8.2 V

Maximum load voltage
6.4V