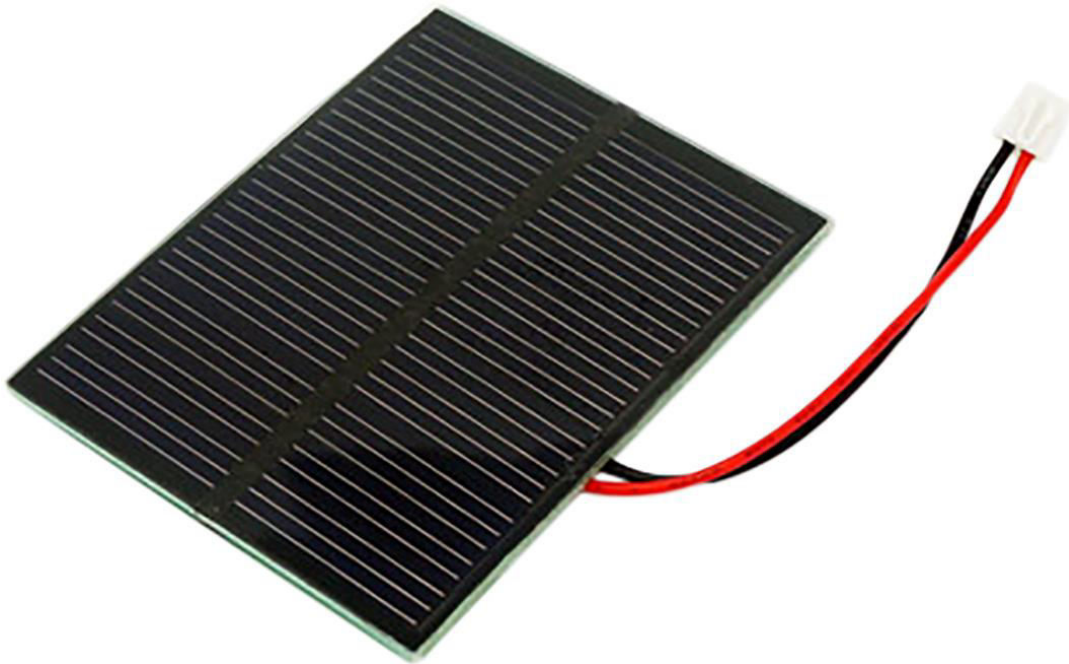




seeed studio
The IoT Hardware Enabler



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 panel to choose.

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

Depending on light intensity, the typical open circuit voltage is 5V. On a sunny, clear summer day, the peak OC voltage will reach up to 10V. If you are going to use boards that require narrow range of input voltage, such as Lipo Rider, please check whether the OC voltage is acceptable for the board before any connections are made.

Features

- Dimensions: 70x55x3(\pm 0.2) mm
- Typical voltage: 5.5V
- Typical current: 100mA
- Open-circuit voltage: 8.2 V
- Maximum load voltage: 6.4V

Technical details

Weight	G.W 20g
Battery	Exclude

Part List

0.5W Solar Panel 55x70	1
------------------------	---

ECCN/HTS

ECCN	3A991.o
HSCODE	8541402000
USHSCODE	8541406015
UPC	841454116394
ROHS	1