This skill badge is self-fulfilling! Normally you would get the badge after the project is done, but in this case, the badge can be part of the project! The solar panel is epoxied into a round disc 55mm diameter (about 2.2 inches), its rugged and looks cool besides. We include a sticky foam pin back you can attach to the back of the panel to mount it onto a backpack, jacket or sash.

Of course, it also is a perfectly functional solar panel. There are 10 slivers of solar cell inside for a 5V rated voltage in sun. The output is about 40mA when in bright sun, less in shade or cloudy weather. You can use this to power small, low power projects with a small low power microcontroller or chip and maybe an LED.

The epoxy coating makes this panel rugged and waterproof on the front. The back has points for soldering. If you want to make this fully waterproof you'll need to dab waterproof epoxy
onto the back to cover the solder points once you've attached wires

TECHNICAL DETAILS

- 10 x Polycrystalline solar cells
- Rated output: 5V @ 40mA
- 55mm diameter x 3mm thick
- Solder points on the back
- Weight: 8.9g

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Skill Badge Requirements: Solar
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Collin’s Lab: Solar
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MAY WE ALSO SUGGEST...

Huge 6V 6W Solar panel
Pimoroni Bearables Fox Kit
Solar Powered SKULL Blinky

Pimoroni Bearables Bear Kit
Colossal 6V 9W Solar Panel
Small 6V 1W Solar Panel -

Day of the Geek Soldering

"If you want to build a ship, don’t drum up people to collect wood and don’t assign them tasks and work, but rather teach them to long for the endless immensity of the sea" - Antoine de Saint-Exupéry