

# Solar Panel Cells Information Sheet

On planet Earth sunlight is a very important source of energy. Every day the sun's light falls on the Earth where it warms us up and is used by plants to make food. The sun's light can be used to make electricity using solar panel cells.

Most cells are made from a very special material called silicon. Silicon is one of the Earth's most common materials.

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A single cell can only make a tiny amount of electricity only just enough to light up a small light bulb or power a calculator. But a single cell can be used in many small electronic things such as watches and calculators.

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To get more electricity from the sun cells are linked together, like on the school roof.

As you can see solar electricity can be used in many ways for many different things.

## **Storing Electricity**

Solar panels don't work at night! To make electricity available after it is dark the electricity must be stored. A way to store electricity is in a rechargeable battery.

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Solar panels on roof

Seaton Primary school hall

This is a picture of a piece of silicon when it was dug out off the ground.

Car in the world solar race in Australia and a NASA satellite.