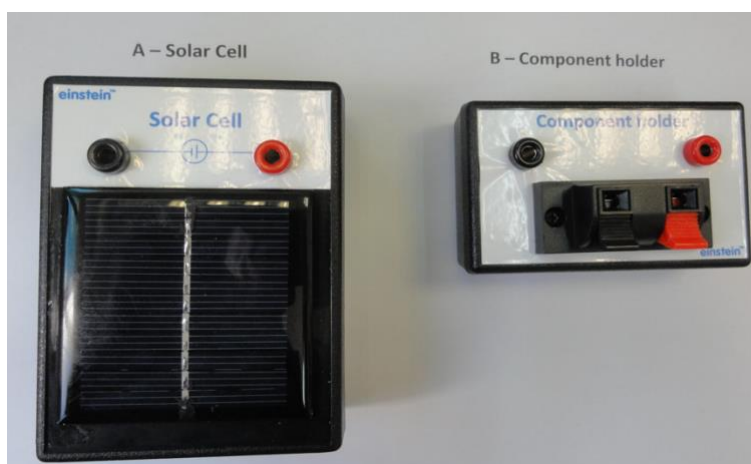




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Terra Nova Solar Kit

Product Number: TN001



Overview

Solar renewable energy science education kit is made to encourage students to explore solar energy solutions and discover the benefits of solar power to improve the quality of life on Earth.

The Terra Nova kit can be connected to all types of einstein™ data loggers using Fourier voltage & current sensors.

Typical experiments



Electricity

- Dependence of power on the area of the Solar cell.
- Dependence of power on angle of incidence.
- Series and parallel connection of Solar cells.
- Dependence of power of illumination.
- V-I characteristics of a Solar cell
- V-I characteristics under varying illumination intensity.
- V-I characteristics of a Solar module.
- Partly shaded solar modules.
- V-I characteristics of partly shaded solar modules.

How it works

The solar cell is a 0.49W solar cell which can be connected to either voltage or current sensors in order to perform many exciting experiments presenting the unique properties of a solar cell.

Solar Cell specification

Volt:	5.5V
Current:	90 mA
Default Sample Rate:	10 samples per second

Note: Voltage and Current sensors are sold separately

Solar Cell Content:

The solar kit contains: two solar cells modules + one component holder (as in the above fig.) and one set of connecting cables (not shown in the above fig.).

Technical support

For technical support, you can contact the Fourier Education's technical support team at:

Web: www.einsteinworld.com/support

Email: support@fourieredu.com

Copyright and Warranty

All standard Fourier Systems sensors % Kits carry a one (1) year warranty, which states that for a period of twelve months after the date of delivery to you, it will be substantially free from significant defects in materials and workmanship.

This warranty does not cover breakage of the product caused by misuse or abuse.

This warranty does not cover Fourier Systems consumables such as electrodes, batteries, EKG stickers, cuvettes and storage solutions or buffers.