



Seeds

Title	PHOTOVOLTAIC PANEL
Description	<p>The photovoltaic panel, in the kit, is fully functional and able to transform the solar energy into electricity. The didactic panel is mounted on a support, free to rotate, which allows to change its inclination with respect to the incident radiation.</p> <p>It is necessary to observe the solar panel and to try to use it for the production of the maximum power. The panel is connected to a Voltmeter to measure the potential difference generated.</p>
Materials and Time needed	<p>The solar panel is on a support and can be used with different educational strategies.</p> <p>The panel be used in the demonstration mode: the teacher with some "assistants" puts the panel in to the Sun and organizes all links to show the effective operation, and thus the production of electrical energy and then to mechanical energy.</p> <p>In another way, the panel can be given, at different times of, to different groups of students in the class who have to activate its own strategy to obtain the largest quantity of electricity, and have to manage to move the fan.</p>
Instructions	<p>Activity</p> <ul style="list-style-type: none"> • change the inclination • use sunlight but also other lamps. • what happened if the clouds come? <p>For mounting and operation, see the booklet in Section "Materials".</p>
In-depth study	<p>Research on photo-voltaic cell.</p> <p>In recent years the technology has made great progresses: there are now many other ways, to get energy from the sun.</p>