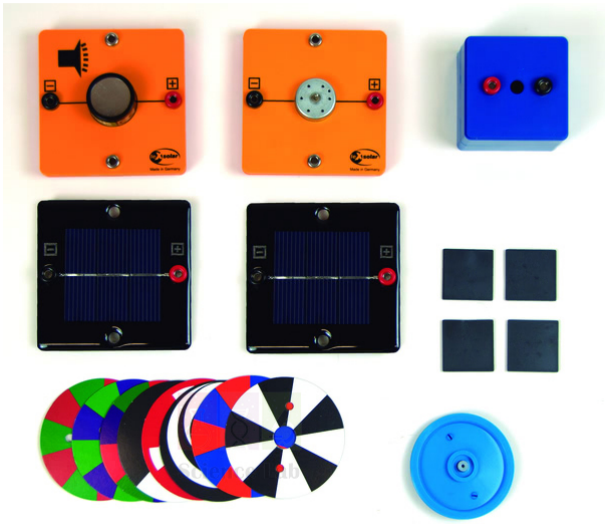
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Solar Photovoltaic Basic

Product Code :

SLE/PHY/218



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Solar Photovoltaic Basic (Product Code: SLE/PHY/218) is a photovoltaics add-on set used to answer first questions about solar cells: what a solar cell and a solar panel are, what they can power, and how a cell should be aligned to the sun. Its qualitative experiments suit elementary and junior high students and run on the Solar Minikit Basic or Solar Kit Basic. As an entry-level solar energy science kit, it is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** , Ambala, India.

Specifications

Parameter	Detail
Kit type	Photovoltaics add-on set for the Basic series
School level	Elementary and junior high school; all experiments are qualitative
Solar modules	0.5 V, 840 mA and 1.5 V, 280 mA
Light and shading	Lighting module; solar cell cover set (4 pieces)
Loads	Buzzer module; motor module without gear with color discs set1
Required base kit (not included)	Solar Minikit Basic in primary school, or Solar Kit Basic in junior high school; each contains all necessary accessories
Packing	Carton with PV Basic insert
Documentation	Layout diagram PV Basic; info sheet for initial startup
Product code	SLE/PHY/218
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Photovoltaic Basic Used For?

The Solar Photovoltaic Basic is used for a pupil-friendly introduction to photovoltaics. Students connect a solar module to the motor or buzzer, then tilt it towards the sun or the lighting module and watch the motor speed up or the sound change. Comparing the 0.5 V and 1.5 V modules shows the difference between a single solar cell and a small solar panel.

The four-piece cover set lets pupils shade part of a module and see how the output drops, while the color discs on the motor make changes in speed easy to spot. All of this is qualitative, so younger classes can reach sound conclusions without meters; junior high groups using the Solar Kit Basic can extend the same lessons with readings.

What to Specify When Ordering

- School level, so the matching base kit (Solar Minikit Basic or Solar Kit Basic) is included in the quotation
- Whether your school already has the base kit
- Number of PV Basic sets per class
-

Man

Email : sales@scilabexport.com
Phone: +91-7082934803