



Email : sales@scilabexport.com

Phone: +91-7082934803

Product Name :

Solar New Energy Ready-To-Go

Product Code :

SLE/PHY/217



Website: <https://www.scilabexport.com>, **Email:** sales@scilabexport.com

1226/1-5, Bengali Mohalla, Science Market | 133001, Harvana



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Description :

The Solar-New Energy Ready-to-go is specifically adapted for young students in Primary and Junior High School and provides by qualitative and quantitative experiments an understanding of the topics photovoltaic, wind power, hydro power, electric mobility and fuel cells.

Like the other products of the Ready-to-go line, the Solar-New Energy Ready-to-go amazes with its flexible and location-independent usability that doesn't require any additional equipment.

With the enclosed Smart Control components, an innovative measuring and control system is available and all necessary accessories like power supply, cables and measuring devices are already included.

Experiments Primary level :

From muscular strength to current...to light

From muscular strength to current...to motion

From muscular strength to current...to Noise

The solar cell drives a motor

The solar module powers a buzzer

The wind turbine powers a buzzer

The wind turbine powers a LED

Influence of the wind direction

Influence of the rotor blade shape

Influence of the wind speed

The solar module powers a LED

The larger the solar cell, the ...?

The solar module powers a LED

From the solar cell to the solar module

Shading of solar modules

The water wheel powers a buzzer

Influence of the water falling height

Storage of solar energy

Storage of wind energy

What is an Elektrolyzer?

How can water be split?

What is a fuel cell?

The fuel cell drives the motor

The fuel cell powers the buzzer

Energy demand of several consumers

Comparison of light bulb and LED

Storage and output of energy...EMobility

Experiments Secondary level :

Forms of energy and consumers

Basic structure: rotation discs

Color qualities

Mixing colors

Color-deception with the Benham-disk

Character

Character

Relief-dis

Depende

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