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Product Name :

Solar New Energy MiniKit

Product Code :

SLE/PHY/216



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Description :

Solar New Energy MiniKit (Product Code: SLE/PHY/216) is a beginner renewable-energy kit used to introduce elementary school children to solar, wind and water power, electric mobility and fuel cells through playful experiments. In place of a power module it relies on a hand generator and a small base unit, and it adds a model electric car, a wind machine and a reversible fuel cell. This STEM science kit for young learners is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Kit type	Beginner renewable-energy kit for elementary school, packed in a box
Topics	Photovoltaics, wind power, hydropower, electric mobility and fuel cells
Hand-powered source	Hand generator
Solar modules	0.5 V, 840 mA; 1.5 V, 280 mA; 2.5 V, 420 mA; plus solar cellcover set (4 pieces) and lighting module
Wind energy parts	Wind machine, wind turbine module, Solar-Wind rotor set, wind rotor set (assembled), padding universal wind
Hydropower parts	Water wheel module; silicone tube 12 mm
Storage and fuel cell	Capacitor module 5.0 F / 5.4 V; reversible fuel cell; distilled water (100 ml)
Electric mobility	Electric model car
Loads	Buzzer module, light bulb module, LED module 2 mA (red), motor module without gear with color discs set 1
Base and connections	Base unit small; 2 x short-circuit plug; test leads 50 cm, one black and one red
Packing	Box with NewEnergy Kit insert and 2 lids for tray
Documentation	Layout diagram New Energy Minikit; info sheet for initial startup; instruction for use of finger protector
Product code	SLE/PHY/216
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar New Energy MiniKit Used For?

The Solar New Energy MiniKit is used as a first, play-based tour of renewable energy for younger pupils. Children turn the hand generator to make the buzzer sound or the LED glow, hold a solar module under the lighting module to run the motor, let the wind machine spin the rotor, and pour water

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