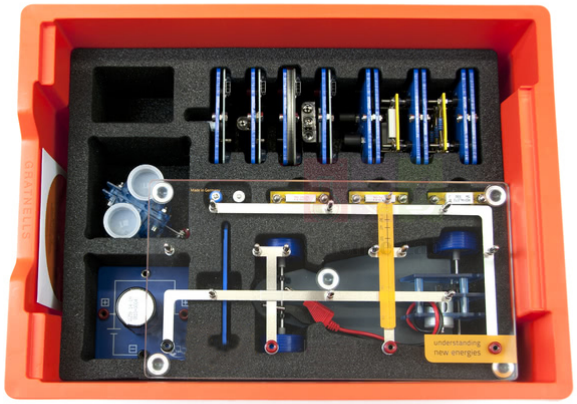
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Product Name :

Solar EMobility Large

Product Code :

SLE/PHY/208



Science Lab

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Description :

Solar EMobility Large (Product Code: SLE/PHY/208) is a battery-technology experiment kitused to teach the physical and technical foundations and applications of different battery types,with an electric model car to explore electric mobility, in secondary school and college labs.Students analyse NiMH, NiZn and LiFePo cells, a capacitor module and a reversible fuel cell inqualitative and quantitative experiments on dimensioning, life expectancy and charging methods.It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Subject	Physical and technical foundations and applications of different battery technologies
Storage types included	NiMH (3xAAA module and a single AAA cell), NiZn AAA, LiFePo AAA, capacitor module, reversible fuel cell
Load and circuit parts	Potentiometer module 110 Ohm Pro; resistor module (triple) Pro; resistor plug elements 1 Ohm, 10 Ohm (x2) and 100 Ohm
Vehicle	Electric model car
Topics	Dimensioning and application of battery types, life expectancy, charging methods
Expandable with	A lithium-polymer battery module and a lead battery module
Extras needed (not included)	AV-Module, Charger Module, digital multimeter, test leads red 50 cm, black 50 cm, red 25 cm and black 25 cm
Product code	SLE/PHY/208
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

Components:

- Storage modules and cells: 1 x battery module NiMH 3xAAA Pro, 1 x battery module holder 1xAAA Pro, 1 x NiMH battery AAA, 1 x NiZn-battery AAA, 1 x LiFePo-battery AAA, 1 x capacitor module Pro, 1 x reversible fuel cell, 1 x distilled water (100 ml)
- Load and circuit modules: 1 x potentiometer module 110 Ohm Pro, 1 x resistor module (triple) Pro, 1 x resistor plug element 1 Ohm, 2 x resistor plug element 10 Ohm, 1 x resistor plug element 100 Ohm, 1 x Solar-Base unit EMobility
- Vehicle: 1 x electric model car
- Storage and documents: 1 x box, 1 x lid for tray, 1 x insert 4E energy storage box (Energiespeicherbox), 1 x packing layout plan (Einräumplan) EMobility Large, 1 x info sheet initial startup

What Is the Solar EMobility Large Used For?

The kit makes battery chemistry measurable. Using the potentiometer module and resistor plug elements as defined loads, students record how each storage type behaves under current, comp y suits vehic e same

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