Email : sales@scilabexport.com
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Product Name :

Solar Smart Grid Ready-To-Go

Product Code :

SLE/PHY/223



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Description :

Solar Smart Grid Ready-To-Go (Product Code: SLE/PHY/223) is a fully equipped smart grid experiment system in an aluminium suitcase, used to build a laboratory-scale grid fed by several renewable sources and to analyse how generation, storage and consumers interact. Wind and solar power, a reversible fuel cell, capacitor storage and an electric model car are included, and energy flows can be read on two SmartMeters or logged with the SmartControl software. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of itsrange of physics lab equipment in India.

Specifications

Parameter	Detail
System type	Fully equipped product of the Smart Grid line (Ready-to-goseries), ready to use anytime and anywhere
Case	Durable aluminium case Smart Grid (L3-01-140) with Smart Grid insert
Solar generation	Solar module 5.22 V, 380 mA with 4 mm plugs; base for solar panel; lamp housing with illuminant 120 W, 12°; azimuth angle scale
Wind generation	Wind machine, wind turbine module, Solar-Wind rotor set,propeller
Storage	Capacitor module 5.0 F / 5.4 V; reversible fuel cell
Electric mobility	Electric model car
Grid, measurement and control	2 x SmartMeter; 2 x grid module; AV module; diode module; potentiometer module 110 ohm; 2 x power module; all necessary Smart Control components
Consumers	2 x light bulb module; motor module without gear
Software	Solar-CD included; energy flows can be logged, and the system controlled, with the SmartControl software
Base and cables	Solar-Base unit Large; test leads 25 cm (4 black, 7 red) and 50 cm (3 black, 3 red)
Accessories	12 x transparent bump-on feet, 5.0 mm high x 11.1 mm diameter
Documentation	Packing layout plan Smart Grid Ready-to-go; instruction for use of finger protector
Product code	SLE/PHY/223
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Solar Smart Grid Ready-To-Go Used For?

The Solar Smart Grid Ready-To-Go is used to let students assemble their own miniature smart grid a ule and v e electr oss the g

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