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

**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 supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as part of its range 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 |
| Supplied by | 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