



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

Phone: +91-8759245890

**Product Name :**

Solar Smart Grid Ready-To-Go

**Product Code :**

SLE/PHY/223



**Website:** <https://thelabequipment.com>, **Email:** [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



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## Description :

Ready-to-go stands for a fully equipped product of the Solar-Smart Grid line in a durable aluminum suitcase that is ready to use anytime and anywhere.

Solar-Smart Grid Ready-to-go allows the construction of a smart grid with a variety of renewable energy sources on a laboratory scale.

The package includes wind and solar power as well as fuel cell, storage technology and e-mobility components and, thus, also the foundation for a variety of basic experiments.

It's possible to choose different energy generation profiles and observe their effect on the system.

The various available storage units and consumers make for a complex smart grid and a multitude of possible scenarios to analyze.

The energy flows within the smart grid can either be read from the displays of the smartmeters or logged with the SmartControl-software.

This enables the students to control the system manually or with the help of the Smart Control-software.

All necessary Smart Control components for measuring and control are already included.

### List of components :

- 1 x SM 5,22V, 380mA, 4 mm-Stecker
- 1 x Solar-Base unit Large
- 1 x Diode module
- 2 x Light bulb module
- 1 x Motor module without gear
- 1 x Base for solar panel
- 1 x Capacitor module 5.0F/5.4V
- 1 x Electric model car
- 1 x AV-Module
- 2 x SmartMeter
- 2 x Power Module
- 1 x Solar-Wind rotor set
- 1 x Wind machine
- 1 x Wind turbine module
- 2 x Stromnetzmodul
- 1 x Potentiometer module 110 Ohm
- 12 x Bumpon transparent 5,0 mm height X 11,1mm diameter
- 1 x Propeller
- 1 x Lamp housing
- 1 x Illuminant 120W, 12°
- 4 x Test lead black 25 cm
- 7 x Test lead red 25 cm
- 3 x Test lead black 50 cm
- 1 x Reversible Fuel cell
- 1 x Insert Smart Grid
- 1 x L3-01-140 Aluminium case Smart Grid
- 1 x Solar-CD
- 1 x Einräumplan Smart Grid Ready-to-go
- 1 x Azin
- 3 x Test
- 1 x Inst

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