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**Product Name :**

Solar Smart Grid Ready-To-Go

**Product Code :**

SLE/PHY/223



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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 Azimuth

3 x Test lead

1 x Instructio

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