

# DL 3155BRS system

## DL 3155BRS-PSE

### Kit for the study of photovoltaic solar energy

#### Composed of:

- Sub-module (2 off) with photovoltaic solar cell, for exercises with cells in both series and parallel configuration.
- Sub-module with multifunction display, for the visualization of the measurements.
- Sub-module with charge regulator, that can be connected to an external solar panel and to the battery.
- Sub-module with breadboard, for the realization of circuits with components such as photodiodes.
- Sub-module with battery controller to control the charge of the battery (it includes the external battery).
- Sub-module for comparing the efficiency of different light sources; it includes a light sensor, incandescent lamps and LED.
- Sub-module with voltage regulators.
- Sub-module with current regulator and relay circuit, to switch between battery and power supply when the battery is out of charge.
- Solar panel, 5W
- Small fan (load)
- Power supply (5 Vdc and 15 Vdc)
- DL 3155BRS development module

#### Option:

- DL SL1 - Spot light for the solar cells and the solar panel

#### Necessary instrumentation: multimeter

**The kit is complete with theoretical and experiment manual.**

