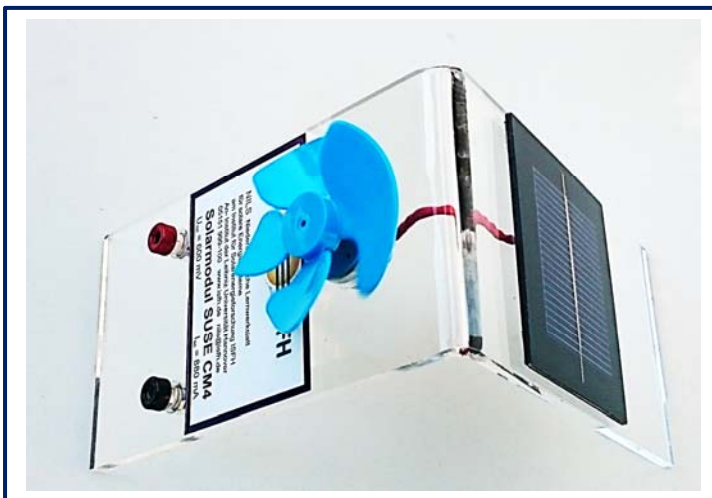


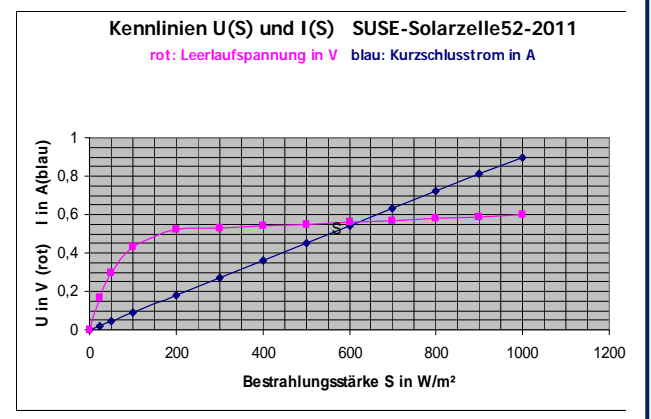
The solar module SUSE CM4

Robust and powerful beginner's module with test jacks

Especially suited for student-centered experimental classes in class levels 3-7 (Germany)



On the module base plate, bent roof-shaped, the solar electric motor with the blue propeller and the two test jacks (red=+, black=-) is visible on the left-hand side. On the right-hand side the high-quality, robust solar module SUSEmod2 with the multicrystalline solar cell 52x52 mm is located.



Technical manual and technical data

The solar module **SUSE CM4** is a solar module for beginners with a solar cell 52x52 mm (0.6 V / 880 mA), a solar electric motor with propeller and test jacks for experiments.

The solar module is very high-quality electrically and very robust mechanically.

At the test jacks red/black the **cell voltage (0.6 V)** and the **short-circuit current (0.88 A)** can be measured (with 1000 W/m² irradiation).

The short-circuit current is a direct measurement for the light intensity. To measure the solar cell voltage a voltmeter in the measurement range 20V DC is connected to the red-black jack pair, to measure the short-circuit current, an amperemeter in the measurement range 10A is connected.

With this device many experiments on photovoltaics (conversion of light radiation into electric energy) can be conducted.

By connecting several modules SUSE CM4 in series the voltage can be increased, with 6 modules in series connection a solar radio (solar radio SUSE 4.36) with 3.6 V voltage can be operated in the sunlight or the light of a lamp.

With the corresponding experimentation manual numerous experiments can be conducted in class levels 3-7 (age 9-12).