



SUNdidactics
SolarEnergyDidactics
SolarEducation
SolarEngineering

innovative Solarsysteme für Schule und Ausbildung
 innovative solar- systems for school, college, technical education

- Solardidaktik
- Solarzellen
- Solarmodule
- Photovoltaik- Experimentiergeräte
- Photovoltaik- Gerätentwicklung
- Experimentieranleitungen didaktische Konzepte
- Solarberatung
- Solar- Workshops
- Solar- Fortbildung für Lehrkräfte
- solare Aus- und Weiterbildung
- Solarspielzeuge

- solardidactics
- solar cells
- solar modules
- photovoltaic experiment devices
- solar experimentation manuals
- solar workshops
- solar consulting
- solar education
- solar training for teachers
- solar toys

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cooperation
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Solar electric mobility The SUSE solar runabout

Beginner's solar vehicle for outdoor operation in bright sunshine or indoor use with halogen spotlight/ red light lamp

The SUSE solar runabout

is an inexpensive, simple solar vehicle operating outdoors in bright sunshine or indoors under illumination with halogen or red light lamps. LED light is not suitable for solar cells due to the different light spectrum.

Robust chassis with 2 solar cell solar module, micro motor, gear. Suitable for primary school from grade 3/4 on or lower secondary school. Dimensions: 80mm x 70mm x 35mm.

Available as a construction kit (only suitable for lower secondary school) or as a ready-to-use device.



On the green chassis on the left-hand side, the little solar module is located, the two solar cells moulded within are clearly visible. With the 4 black screw pairs, 4 small metal brackets are mounted, the two axles run with low friction through 2 brackets each. At the end of both axles 4 synthetic wheels are attached. Above the right-hand wheel on the chassis, the small electric motor is visible, connected to the solar motor by 2 wires. The small white gearwheel with the motor axle forms a reduction gear unit with the big white cogwheel on the wheel axle.

Because of the small surface area of the solar module, outdoors the solar vehicle runs only in bright sunshine. The power can be increased by replacing the solar module by a bigger 2 cell module, so the vehicle also drives under a slightly cloudy sky. Sundidactics is happy to consult you and also offers bigger solar modules with 2 integrated solar cells.

The construction kit is well-suited for students aged >10 years, besides the included phillips-tip screwdriver long-nosed pliers are necessary, additional tools are not required.