

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- experiment- manuals
- solar- workshops
- solar consulting
- solar education
- solar training for teachers
- solar toys

**SUNdidactics** Wolf- Rüdiger Schanz, Schaperbleek 15, D-31139 Hildesheim, Germany

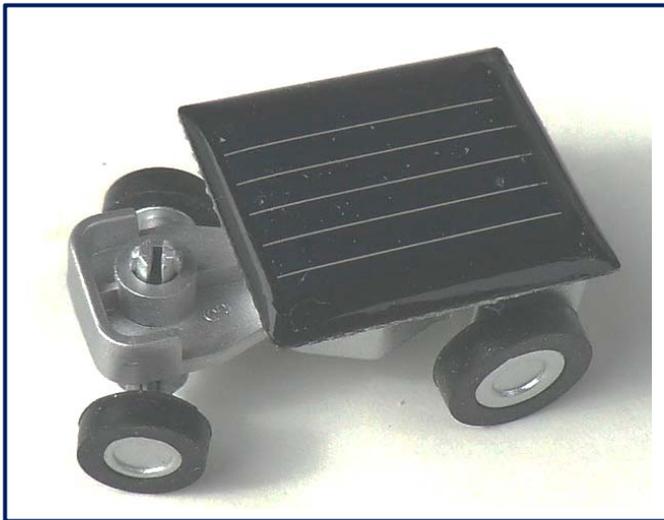
Phone: +49(0)5121 86 07 30 Fax: +49(0)3222 370 66 89 Mail: wr.schanz@t-online.de  
Mobile: +49(0)175 766 06 07 Web: www.sundidactics.de Mail: info@sundidactics.de

ILS ISFH cooperation  
www.nils-isfh.de

## SUSE solar mini racer

Smallest steerable solar car in the world

with solar cell, electric motor, and gear. Drives in bright sunshine or with illumination by light bulbs or halogen spot lamps



View of the solar mini racer: **On top** of the metal chassis the small solar cell is visible, on the right the wheels of the rear axle, on the left the steerable wheels of the front axle.



The **bottom side** of the solar mini racer: To the right of the rear axle in the cavity of the metal chassis a miniature electric motor is concealed, below the one-level gear is visible (white cogwheels), which drives the rear axle.

The small car „solar mini racer“ is well-suited for presentations or experiments about solar energy. In the bright sunshine outdoors or on the window sill illuminated by the sun or with illumination by light bulbs or halogen spot lamps (e.g. 20-35 W desk lamps) the small mini racer laps on flat surfaces. In the shadows it stops immediately.

The light of energy saving lamps or LED lamps is less suited because of the different light spectrum. If the solar cell is illuminated, a voltage of about 0.6 V arises, the electric energy is fed to an electric micro-motor, its fast revolution speed is decreased by the one-level gear (2 cogwheels) and transmitted to the rear axle.

The vehicle is delivered in an acrylic capsule, it is suited perfectly for Kindergarten, Preschool or Primary School, as a gift for kids or for the desk of playful adults.

