

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

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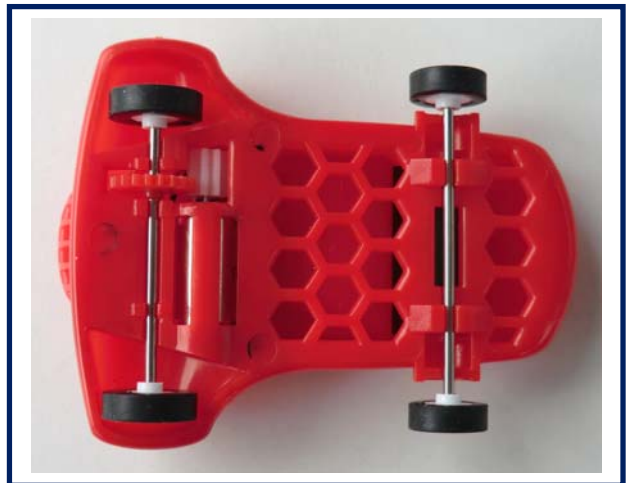
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## SUSE solar racer

Small solar car with solar cell, electric motor and gear  
Drives in bright sunshine or under illumination with light bulbs or halogen spot lights



Top view of the solar racer, on the upper surface the small solar cell is visible, on the right-hand side the wheels of the front axis. The wheels of the back axis are hidden beneath the red cover.



The bottom side of the solar racer, to the right of the back axis under a cover the miniature electric motor is located, above the single-stage gear (white-red cog), which drives the back axis, is visible.

The small 'solar racer' car is well suited for presentations or experiments about solar energy. Outdoors in bright sunshine, on the illuminated window sill or under illumination with light bulbs or halogen spot lights (e.g. 20-35 W desk lamps) the small racer dashes over plain surfaces.

In the shadow it stops immediately.

The light of energy saving lamps or LED lamps is less suitable because of the different light spectrum. If the solar cell is illuminated with light, a voltage of approx. 0.6 V arises, the electrical energy is fed to an electric micro motor, the high revolution speed is decreased by the single-stage gear (white and red cog) and transferred to the back axis.

The vehicle is delivered as an inexpensive construction kit and can be assembled easily. The car is ideal for Kindergartens and Elementary Schools or as a present for children or for the desk of playful adults.

**Technical data:** Vehicle length approx. 55 mm, Vehicle width approx. 43 mm  
Vehicle height approx. 15 mm  
Solar cell approx. 30 x 19 mm