Building instructions: Solar Cars

1. Assemble the solar panels.
2. Attach the wheels to the frame.
3. Connect the solar panels to the wheels.
4. Test the solar cars for movement.

Beware: These solar cars require additional components which are not included in this booklet.

Warning: This project should be supervised by an adult.

Notes:
- Use caution when handling small parts.
- Keep the solar cars out of direct sunlight.

Power: Solar panels

Building tools: Forceps, tweezers, ruler

Additional parts: Solar panels, wheels, connecting rods

Materials:
- 4 solar panels
- 8 wheels

Safety tips:
- Always wear safety glasses when handling tools.

Instructions can be found in the supplementary material pack.
Solar energy accounts for most of the available renewable energy on earth and has been harnessed by humans since ancient times. In our modern times we mostly need electrical energy, and photovoltaic cells are used to convert Solar energy to electric. This set includes a 1.5V solar panel which drives a variety of models demonstrating the many different applications of Solar power. The set includes a 20-page booklet with building instructions for 8 models.

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<th>Solar machines</th>
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<tbody>
<tr>
<td>36 pages</td>
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<td>8+</td>
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<td>Product code: S10</td>
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Product: S10

- Dimensions: 44 x 30 x 7 cm
- Weight: 1000 gr
- Parts: 290
- Connecting Points: 765
solar pro duo

The solar pro duo set is the ultimate solar set, including 2 solar panels of 1.5V each, which may be connected in series for increased power. The panels can be connected directly to the motor or they can connect to the RC handset, powering up the models effectively even from a distance! The greatest advantage of this set-up is the ability to drive models regardless of their position relative to the Sun. The set includes all models from the smaller sets of Solar machines and Solar cars and four more models for advanced building. Printed instructions for all 20 models are included.

Notes

Product code: S30

Dimensions: 50 x 35 x 7cm
Weight: 1500 gr
Parts: 307
Connecting Points: 811