Solar cooker - the reliable alternative

How does a solar cooker work?

The principle is similar to a burning glass. Approximately parallel sunbeams will be reflected on a focal point. Because of the high concentration of the sunbeams high temperatures emerge in the focal point. Also a black pot or pan that is standing in the focal point take up the sunbeams and convert it into heat, so that it is possible to cook or roast.

The solar cooker is usable at any time of the year and is independent of the temperature, but dependent on sunlight.

Through a parabolic mirror that can rotate and rolls at the frame it is easy to direct the solar cooker towards the sun. If the solar cooker is not in use the mirror can be turned on the head so that the reflector blades are protected.

It is possible to keep the meal warm for hours through the use of a wicker basket. It has to be filled with blankets or grass, so that the pot is covered.

Technical data for SK14

- Length solar cooker: 1.50m
- Diameter mirror: 1.40m
- Grid size: for pots up to a diameter of 44cm
- Max. power: 700watt

Examples for the use of a solar cooker

- Cooking, baking, roasting, deep fry, barbeque, stewing
- Producing of juice
- Sterilisation of water and instruments
- Laundry
- Ironing

And all this is possible for N$ 1500 per solar cooker.

For questions and enquires please contact the **Döbra Solar Development Project**
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