

To cook with solar power is fascinating, and the energy to do so is unlimited, clean, and free of charge



For better living

### Reducing Labor and Saving Time

- Women and children don't have to struggle for hours to gather firewood.
- Children can attend school rather than gathering wood in sometimes mine-invested areas.



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### Independence and Money Savings

- No need anymore for fossil fuels, such as petrol, kerosene, and firewood. In some countries the cost for fuel accounts for more than one third of a person's monthly income. More often, the cost of fuel is more expensive than the food.

### Creating Employment and Training Centers

- The frames can be easily manufactured and installed in the workshops of the developing countries. Our partner organisation, EG Solar has already established in some countries where solar cookers are being manufactured.



A solar cooker workshop in Madagascar

### Income Generation

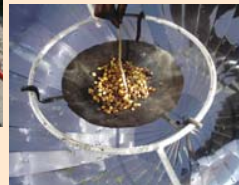
- Income in this micro enterprise is generated by selling products that were produced with the aid of the solar cooker.

#### Examples of micro enterprise applications

- using in cook shops
- preparation of juices and jams
- food preservation (boiling food)
- roasting of coffee beans and peanuts
- producing soaps, creams, and essential oils
- dyeing and washing of textiles, ironing of clothes
- selling baking products
- sterilizing medical instruments and distilling water
- soil steaming (producing soil ready for sowing)
- boiling rice straw for the production of paper



Preparation of juices in Eritrea



Roasting coffee in Ethiopia



A solar restaurant in Argentina

Ironing clothes with the aid of solar cooker



### Highly Compatible with Traditional Cooking and Eating Habits

- Due to the high efficiency of the solar cookers, local dishes can be prepared in the same amount of time as using a fireplace or gas cooker.
- When using baskets or boxes to keep the food warm, cooking and eating time do not have to occur at the same time. This way, a warm dinner is always available, even after the sun went down.



A wicker basket covered with a woolen blanket keeps the food warm for many hours.

### How can you help?

- You purchase a solar cooker for yourself, and thereby help the environment and the people in the developing countries. A portion of the net proceeds will flow into the projects of our partner organization EG Solar e.V.
- As an owner of a company, you become a distributor of the solar cooker. We will be more than happy to provide you with a proposal - there is no commitment on your part.
- You have contacts in relief organizations or with people in developing countries and introduce the solar cooker to them.
- You become a member (annual membership 60,00 EUR), donor or sponsor of the non-profit organization EG Solar e.V. and supporter of the solar cooker project.
- Instead of Christmas presents promotional gifts for your clients, you donate a certain amount to the projects of EG Solar e.V. and provide your friends and clients with information about the project using picture postcards.
- You provide solar cookers to schools in order to demonstrate to the pupils the sun's energy based on the solar cooker.



Cooking with the sun

Well engineered and a high degree of comfort

Long service life

Gentle food preparation

We'll make a (burning) change !



**Solar cooking is fun, it's easy on the environment, and most of all...it saves money!**

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### Our Offer and Objective

We offer high-quality and high-performance solar cookers including all necessary accessories.

Our solar cookers are manufactured locally, at facilities for disabled persons and shops for difficult to place juveniles.

Our solar cookers have proven themselves 30,000 times all across the globe. Together with our partner organisation EG Solar e.V., we focus on the distribution of the solar cooker in order to make use of renewable energies and protect the natural resources.

### How does a Solar Cooker Work ?

The solar cooker works similar to a burning glass. Approximate parallel sun rays are reflected in the cooker's focal point. Due to the high concentration of the sun's rays, the temperatures in the focal point are extremely high. Placing a pot or pan in the focal point allows you to cook or fry a meal. Preferably, the pot or frying pan should be painted matt black, since the black surface is most advantageous to absorb and transfer the heat.

The solar cooker can be used all year round, it is not affected by outside temperatures and it can be used at any latitude.

The pivoting frame makes it easy to point the solar cooker in any direction of the sun. Since the focal point is located inside a parabolic reflector, the cooker needs only be rotated once every 25 minutes.

There is no danger of eye damages due to the mirror's glare!



### What can the Solar Cooker be used for?

Anything is possible! The solar cooker is suitable for smoke-free cooking, baking, grilling, frying, braising, and deep-frying.

Due to the high cooking performance of the solar cooker, meat, grill, and pasta dishes, baked goods (e.g., bread, pies, pizzas), stews or boiled meals are prepared nearly as quickly as cooking them on an electrical stove or in an oven.

The solar cooker is ideal for the garden, patio, balcony, or camping!



### The Problem with Firewood

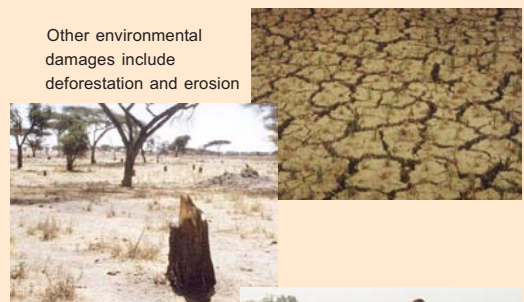
Energy is the key to our future. There is a direct correlation between poor energy supply and poverty. Without energy, economical and social development is hardly conceivable.

Firewood is one of the most important energy sources in the world. Firewood is mainly used for cooking purposes and represents approximately 18% of the world's prime energy consumptions, more than nuclear and hydro power combined.

Globally, there are 2 billion people affected by the lack of firewood - and the trend is rising.

The consequences are catastrophic and multifaceted; from air-pollution in the kitchen, which may lead to lung diseases, to pollution of the earth's atmosphere.

Other environmental damages include deforestation and erosion



Street trading of firewood.



### What is the Global Effect of the Solar Cooker?

#### Protecting the Environment and the Basis of Existence

- Helps stopping the deforestation and associated soil erosion and prevents the further depletion of the ground's nutrients.
- Reduces CO<sub>2</sub> emission and therefore global warming. Using a solar cooker will cut the CO<sub>2</sub> emission by nearly 5 tonnes per year. As comparison, the average German produces approximately 11 tonnes of CO<sub>2</sub> per year.

#### Health Issues

- Cooking with solar cookers does not generate smoke, as does traditional cooking over an open fire. When preparing food indoors, the fumes can become overwhelming. Women and children inhale the equivalent of 200 to 400 unfiltered cigarettes every day. Millions of infants die due to respiratory diseases.
- Avoiding burn injuries caused by open flames.
- Solar cookers prevent kerosene poisoning (especially children) and avoid fires caused by the kerosene.
- Being able to boil contaminated water improves the hygiene. Globally, 1.3 billion people don't have access to clean drinking water. When using a solar cooker, 50 liters of drinking water can be produced every day!



Well designed and state-of-the-art technology

Smoke-free cooking and grilling

Easy to use