

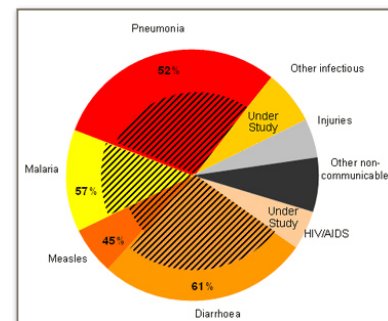
# Himin Solar Cooker

An easy and practical solution to Families in Emerging Nations

**WOMEN** The time to gather wood and cook three meals a day for the family takes up most of the day in the lives of half of the women on this planet. The Himin Solar Cooker can reduce this time to 1.5 hours, thereby freeing up valuable time for women to get educated, improve their farming, start a new business and improve the lives of their families and communities.



**HEALTH** Three billion people are cooking over open fires, mostly inside their huts. The fumes are reported by the United Nations to kill 1.7 million children under the age of 5 every year. (1.2 million people die in traffic accidents worldwide.) Solar cookers eliminate the smoke and soot responsible for these deaths and can also help to eliminate unhealthy food and water, which would save many more lives. Women, older children and (to a lesser degree) men suffer from indoor air pollution as well, bringing the death toll to 4.4 million per year. This is a global health crisis beyond the impact of infectious diseases.



**SELF-SUFFICIENCY** The Himin Solar Cooker is used only for 1.5 hours a day to cook three family meals. It does not cost anything to operate it for 6 more hours a day, which can be the basis for a food or clean-water business. If business education is provided together with microcredit-funded solar cookers, a path out of poverty and towards self-sufficiency is opened up.

**CLIMATE** Up to 5% of Climate Change is caused by open fire cooking, compared to 14% from all worldwide transportation. The mechanisms are deforestation and black carbon (soot). Even worse, in India, the soot settles on the Himalayas and could be responsible for almost all the surface melting of glaciers. A Himin Solar Cooker can save US\$600 or more in carbon emissions over its lifetime. Fighting Climate Change through the distribution of Solar Cookers takes only a quarter of the investment compared to rooftop solar.

**BENEFITS** Solar cookers are an efficient low-cost investment for developing nations that provide immediate results in health, climate, clean-water and self-sufficiency. They could be provided to families and communities by foundations or could be distributed through a revolving micro-loan fund and include business education and the acceptance rate will be increased. Carbon reduction through such a program has a very low cost and it is easy to get started.

**ACTION PLAN** Organize the distribution of Himin Solar Cookers through foundations, NGOs, Non-Profit (or for-Profit) organizations that can place solar cookers and trainings in emerging nations. Develop localized business trainings and microcredit solutions.

Contact us via email: [info@SolarValleyChina.com](mailto:info@SolarValleyChina.com) or Phone: +1-619-224-8880

[www.SolarValleyChina.com/solar-cookers](http://www.SolarValleyChina.com/solar-cookers)

# Breakthrough Solar Cooker

All three meals for the entire family cooked in 90 minutes!

The Himin Solar Cooker is designed to prepare all meals (breakfast, lunch and dinner) for a family of five in 1.5 hours at noontime, using only sunshine as fuel. It contains heat storage, which keeps the breakfast warm for the next morning and an insulated container to hold the dinner.



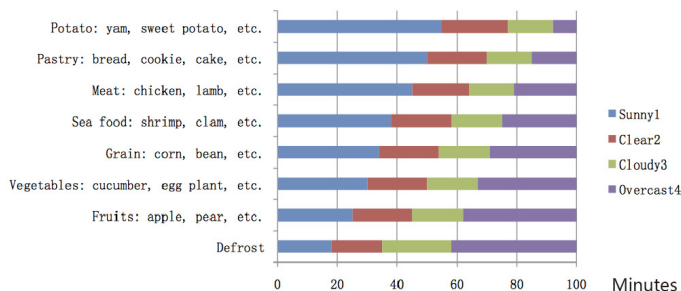
The Himin Solar Cooker reaches 220 degrees Celsius (428 Fahrenheit), which is beyond what other solar cooker technologies can reach. This allows more uses previously not possible, such as rapidly boiling water, baking and grilling. The heat also sterilizes the unit and keeps food safe. The temperature can reach up to 270 Celsius (518 Fahrenheit). The vacuum tube provides such a good insulation that high temperatures can even be achieved in freezing weather.

Food is cooked in the glass cooking tube, which is 135 cm (4.4 ft.) long and vacuum isolated. It's heating chamber is 4.59 liter (1.2 gal) in size. Several inserts are included that allow for steaming, boiling, baking and grilling.

The construction is sturdy and includes a swivel motion that makes it easy to follow the sun. It is very safe, because the heat is concentrated inside the tube. The outside and all other components do not get hot and present no danger to the cook and children. The tube is guaranteed for 10 years, other parts for 3 years. The expected lifetime is 15 years. Himin holds multiple patents for this world-leading technology and is able to produce large quantities at superior quality.

The answer to the key problem of Solar cookers:

For decades, development aid organizations have tried to introduce simple solar cookers to resource-poor communities in Africa and Asia and found that they were not used. The problem was that these cookers are not very useful for the typical housewife, because breakfast has to be cooked before the sun's heat is strong enough and dinner is served after the sun goes down. In addition, traditional low-powered box cookers took a long time to cook lunch. Himin solved all these issues by being high-powered and able to store heated food.



## PRODUCT SPECS

Dimensions	108cm length, 85cm width, 125cm height
Dry Weight	20Kg
Temperature (Empty)	200°C-270°C
Temperature (Cooking)	200°C-220°C
Food Volume	4.59L
Congee Volume	1.2L
Steaming Qty	8

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