



Solar Household Energy, Inc.

Solar Cooking for Human Development and Environmental Relief

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Recommended manufacturer's Information to accompany a cookstove

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Solar Household Energy (SHE) strives to unleash the potential of solar cooking to improve social, economic and environmental conditions in sun-rich areas around the world. SHE Technical Reports are intended for use within the solar cooking community, for the rapid dissemination of findings related to solar cookers. They may contain information that is based on limited data, and/or conclusions and recommendations that are solely the opinions of the author, not of the organization. Please contact the author for further correspondence.

Recommended manufacturer's Information to accompany a cookstove

Summary

This list of items is not a requirement of an ISO standard, but documentation of this information and packing it with the unit will be very helpful to all users. Some of the information is required in order for testing centers to conduct ISO-19867 standard tests on the product, so its inclusion will facilitate testing. Please refer to ISO/IEC Guide 37:2012 for additional guidance in writing instructions for consumers.

On durable nameplate attached to unit:

- Brand name
- Model number
- Serial number
- Mfg. name and address including country of origin

In printed booklet, in the language(s) of the intended end users:

- Photograph or drawing of product
 - One or more photos with different views
- Dimensions for shipping
- Assembly instructions, if required
 - Removal and disposal of packaging
 - List of parts and accessories included
 - Tools required
 - Time required
- Installation instructions
 - Recommended placement
 - If there are options, provide instructions for each
 - Adjustments based on location, if any
 - Mounting space requirements
 - Chimney/duct sizing requirements
 - Templates for vent hole cutting
 - Tools required
 - Time required
 - Parts list
- Safety precautions and warnings
 - Securing for stability
 - Treatment of sharp edges, if any
 - Safe cooking pot placement
 - Avoid combustible materials near cookstove
 - May cookstove be used for space heating or other uses?
 - Protection of children and animals

- How to put out a grease fire
- Prevention of chimney fire
- Suppression of a chimney fire
- Recommended fire extinguishers
- Recommended first aid for burns
- Electricity warnings, if needed
- Disposal of ash and char

Operating instructions

- Use of controls and adjustments, if any
- Settings for low, medium and high power
- Recommended cooking vessels and materials
- Sample recipes for common foods

Cleaning instructions

- Metal surfaces
- Painted surfaces
- Dust
- Food
- Chimney residues, creosote etc.
- Ash and char

Troubleshooting

- How to fix common problems
 - Power adjustment
 - Spills on stove surfaces
 - Emission leaks
 - Ventilation issues
 - Handle breakage
 - Liner breakage

- Disassembly/reassembly

Patents (if any)

National certifications, approvals, or ratings

Examples:

- US National Fire Protection Association

- US National Propane Gas Association

Specifications

Dimensions, H x W x L (US and metric)

Unit, when assembled

In shipping package

Shipping weight, kg

Cooking vessel maximum capacity (volume in liters)

Power rating, max. (using ISO-19867 standard)

Efficiency, min. (using ISO-19867 standard)

Specifications for special stove types

For solar cookers:

Maximum Intercept area of reflector(s)*

Vertical angle for maximum input power

Recommended turning frequency to track sun

Recommended cooker placement

Replaceable parts (e.g. filters, lights, sensors)

Removal and installation instructions

How to get parts

How to contact the manufacturer

Email, Phone, Web site

_ * For details on measuring solar cooker specifications, please refer to American Society of Agricultural and Biological Engineers Standard S.580.1.