transform your life

ecozoom™

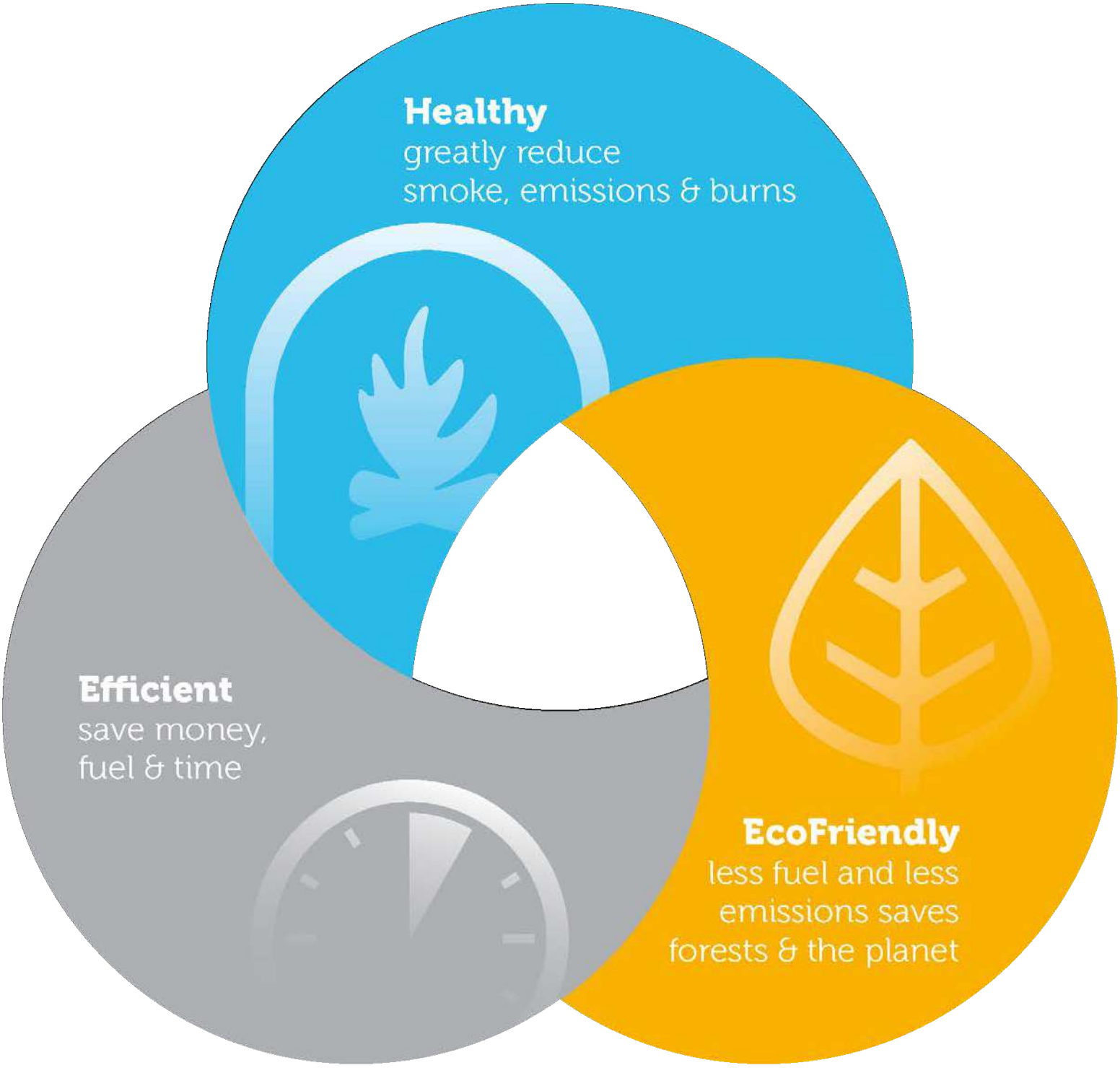
ecological products for the world

info@ecozoomstove.com | www.ecozoom.com

is a social enterprise and certified B Corp that offers a variety of ecological products designed to transform lives.

We believe all people should have access to beautifully designed products that will improve their health, income and environment.

Our cookstoves are...



Check out the EcoZoom Blog for stories of how our products are used in developing AND developed countries to make happy cooks.

cooking transformed...

- Save 70% on charcoal expenses and 55% on firewood
- Emit significantly less smoke and toxic emissions
- Keep pots clean – less scrubbing!
- Last 2-5 years
- 1-year warranty
- Look and feel of an appliance

charcoal stoves

Designed for areas where women spend a large amount of their monthly income on charcoal. These durable and aspirational stoves have a 2-6 month payback period.

Zoom Jet - The first charcoal stove to use both radiation and convection heat. The Zoom Jet comes in green and stays green throughout its 2-5 year life.

Example Project: Ecozoom first introduced the Jet into Kenya after a year of piloting and redesigning it with cooks. Now Ecozoom Kenya has taken up sales in urban slums and peri-urban areas.

Project Video: http://www.youtube.com/watch?v=rigWr3fohQU

Zoom Jet Economy - This stove offers almost the same qualities as the Zoom Jet, only it is a more compact version, at a lower price.

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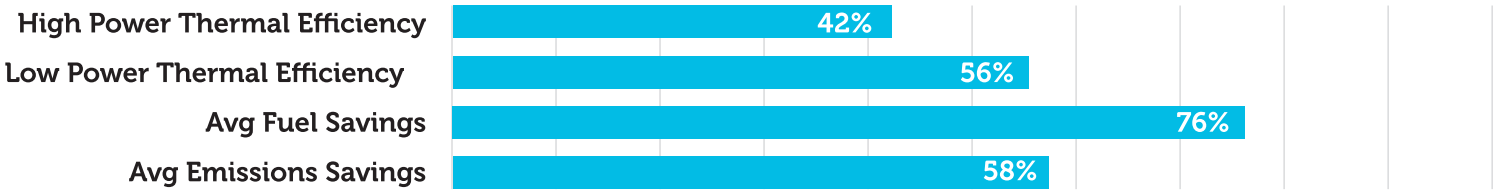
Jiko Bora

Charcoal Cookstove (28cm)

- **Combustion Chamber** refractory metal
- **Insulation** lightweight ceramic and high temperature thermal insulation
- **Stovetop** three-pronged universal cast iron
- **Body** painted sheet metal with reinforced door
- **Handles** steel and silicone
- **Door** metal with silicone grip on latch
- **Feet** non-slip rubber

Efficiency



5-Liter Water Boiling Test	Open Fire	Charcoal Jiko	Jiko Bora
Conducted by University of Nairobi			
CO Emissions	65g	102g	44g
Energy to Cook	21.8MJ	19.1MJ	4.6MJ
Fuel to Cook	1253g	613g	145g
Time to Boil	38 mins	19 mins	15 mins*

Shipping Specifications

Shipping Weight	Box Dimensions	20' Container Qty	40' Container Qty
8kg/unit	(h)30cm • (w)30cm	1,330 units	2,730 units

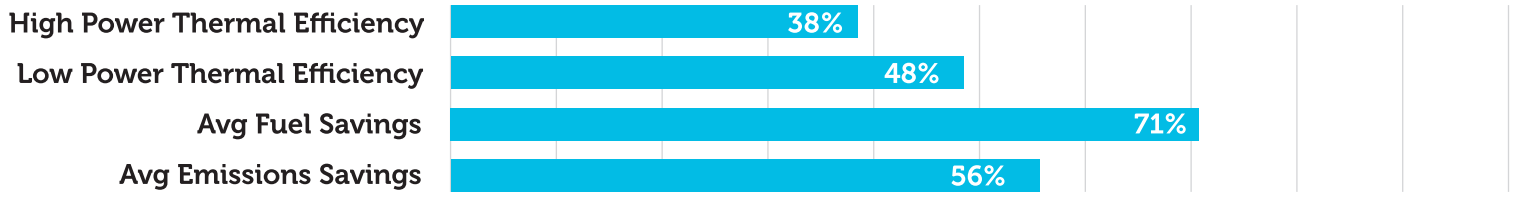
*Results from field tests show boiling and cooking times to be 20% faster than a typical charcoal jiko.

Jiko Fresh

Charcoal Cookstove (26cm)

- **Combustion Chamber** refractory metal
- **Insulation** lightweight ceramic and high temperature thermal insulation
- **Stovetop** three-pronged universal cast iron
- **Body** painted sheet metal with reinforced door
- **Handles** steel and silicone
- **Door** metal with silicone grip on latch
- **Feet** non-slip rubber

Efficiency



5-Liter Water Boiling Test

Conducted by Hesbon

	Open Fire	Charcoal Jiko	Jiko Fresh
CO Emissions	65ppm	102ppm	45ppm
Energy to Cook	21.8MJ	19.1MJ	4.3MJ
Fuel to Cook	1253g	613g	176g
Time to Boil	38 mins	19 mins	15 mins*

Shipping Specifications

Shipping Weight	Box Dimensions	20' Container Qty	40' Container Qty
5kg (stove) • 0.5kg (box)	(h)28.5cm • (w)27.5cm • (l)27.5cm	1760 units	4128 units

*Results from field tests show boiling and cooking times to be 20% faster than a typical charcoal jiko.

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wood stoves

A variety of stoves to fit your project's and country's needs.
Same combustion efficiency - different prices and durability.

Zoom Relief - Designed for use in IDP and refugee camps; low cost, low profile and low fuel need. 1-2 year life.

Example Project: Relief International distributed over 20,000 Zoom Relief stoves in Somalia to lessen deforestation around the camps and help prevent gender-based violence for women and girls gathering fuel.

Project Video: http://www.youtube.com/watch?feature=player_embedded&v=ReFoL39EKfA

Zoom Stove - Our original wood stove. High combustion efficiency, middle in cost and durability. 2-3 year life.

Example Project: The Zoom Stove has been the stove of choice for projects in South Africa and Vanuatu. These projects needed aquality product but also needed to sell at a lower price point than is possible with the Zoom Dura.

Project Video: none available at this time.

Zoom Dura - Named for its durability, this is our longest-lasting, most aspirational, and most popular cookstove. 5 year life.

Example Project: This stove is the choice of projects using carbon credits in Rwanda and Nigeria because of it's long life. Program Rwanda will distribute over 600,000 of them by the end of 2015.

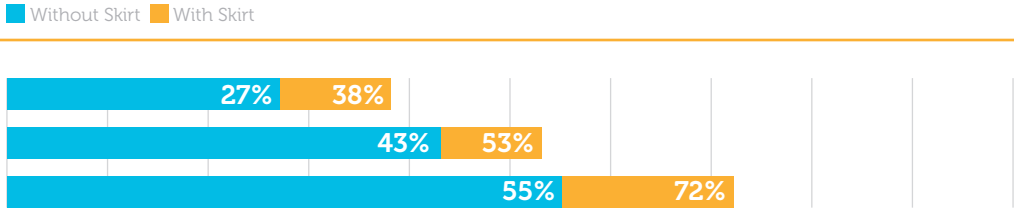
Project Video: http://player.vimeo.com/video/55004012?title=0&amp

Zoom Dura

Wood/Biomass Cookstove (24cm)

- **Combustion Chamber** refractory metal
- **Insulation** abrasion resistant, lightweight ceramic
- **Stovetop** three-pronged universal cast iron
- **Stick Support** with coordinating installation sockets
- **Body** painted sheet metal with reinforced doorframe
- **Bottom Tile** kiln-fired with metal lining
- **Handles** stainless steel and silicone
- **Pot Skirt** adjustable galvanized steel (optional)

Efficiency



Power Output: High Power	3.7kW ± 0.5kW
Power Output: Low Power	2.3kW ± 1kW

5-Liter Water Boiling Test

Conducted by Aprovecho Research Center

	Open Fire	Zoom Dura w/o skirt	Zoom Dura w/skirt
CO Emissions	65g	17g	17g
PM Emissions	1674mg	726mg	615mg
Energy to Cook	21.8MJ	13.7MJ	11.3MJ
Fuel to Cook	1253g	712g	586g
Time to Boil	38 mins	28 mins	21 mins

Shipping Specifications

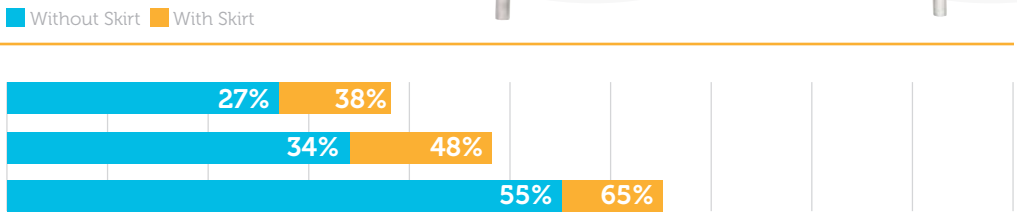
Shipping Weight	Box Dimensions	20' Container Qty	40' Container Qty
8kg/unit	(h)26cm • (w)26cm	1,120 units	2,624 units

Zoom Relief

Wood/Biomass Cookstove

- **Combustion Chamber** abrasion resistant, lightweight ceramic
- **Stovetop** three-pronged cast iron
- **Stick Support** steel
- **Body** sheet metal with heat resistant paint
- **Bottom** cement
- **Handle** plastic and steel
- **Pot Skirt** adjustable galvanized steel (optional)

Efficiency



5-Liter Water Boiling Test

Conducted by Aprovecho Research Center

	Open Fire	Zoom Relief w/o skirt	Zoom Relief w/skirt
CO Emissions	65g	20g	20g
PM Emissions	1674mg	783mg	642mg
Energy to Cook	21.8MJ	13.7MJ	10.7MJ
Fuel to Cook	1253g	830g	651g
Time to Boil	38 mins	28 mins	25 mins

Shipping Specifications

Shipping Weight
8.3kg/unit

Box Dimensions
(h)29cm x (w)30cm
Hexagonal

20' Container Qty
1,344 units

40' Container Qty
2,744 units

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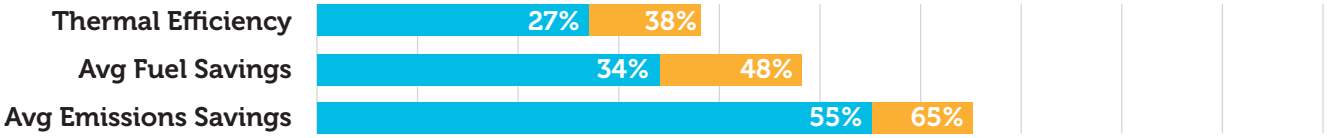
Zoom Stove

Wood/Biomass Cookstove

- **Combustion Chamber** abrasion resistant, lightweight ceramic
- **Stovetop** three-pronged cast iron
- **Stick Support** with coordinating installation sockets
- **Body** painted sheet metal with reinforced door
- **Bottom** cement
- **Handle** plastic and steel
- **Pot Skirt** adjustable glavanized steel (optional)

Efficiency



5-Liter Water Boiling Test

Conducted by Aprovecho Research Center

	Open Fire	Zoom Stove w/o skirt	Zoom Stove w/skirt
CO Emissions	65g	20g	20g
PM Emissions	1674mg	783mg	642mg
Energy to Cook	21.8MJ	13.7MJ	10.7MJ
Fuel to Cook	1253g	830g	651g
Time to Boil	38 mins	28 mins	25 mins

Shipping Specifications

Shipping Weight
8.6kg/unit

Box Dimensions
(h)31.5cm x (w)30.5cm
Hexagonal

20' Container Qty
1,344 units

40' Container Qty
2,744 units

flex fuel stoves

Stoves that can burn wood or charcoal. Designed for areas where fuel switching is common or a more high-tech look is desired by the market.

Zoom Versa- Efficient, versatile and durable. 3-5 year life.

Example Project: This is stove is very popular in South Africa. Restio Energy selected it to sell in its retail shops because of its durability and advanced look.

Project Video: http://www.youtube.com/watch?v=Rwoer79p2MI

Zoom Plancha- Double burner plancha stove with removable tops for direct access to the flame. 3-5 year life.

Example Project: The Zoom Plancha was originally designed for Mexico. In coordination with the Mexican government, EcoZoom Mexico has distributed over 22,000 of them to rural households.

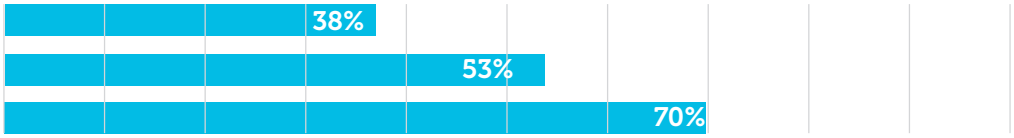
Project Video: http://www.youtube.com/watch?v=OphHLOblpJ8

Zoom Versa

Wood/Charcoal Cookstove (24cm)

- **Combustion Chamber** refractory metal
- **Insulation** lightweight ceramic fiber
- **Stovetop** three-pronged universal cast iron
- **Stick Support** steel
- **Body** painted sheet metal with reinforced door
- **Bottom Tile** kiln-fired
- **Handles** stainless steel and silicone
- **Pot Skirt** adjustable galvanized steel (optional)

Efficiency



Power Output: High Power	4.1kW ± 0.5kW
Power Output: Low Power	2.3kW ± 1kW

5-Liter Water Boiling Test

Conducted by Aprovecho Research Center

	Open Fire	Zoom Versa w/o skirt	Zoom Versa w/skirt
CO Emissions	65g	17g	13g
PM Emissions	1674mg	1207mg	654mg
Energy to Cook	21.8MJ	13.2MJ	10.4MJ
Fuel to Cook	1253g	757g	608g
Time to Boil	38 mins	31 mins	23 mins

Shipping Specifications

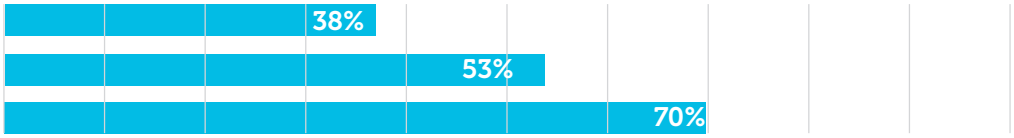
Shipping Weight	Box Dimensions	20' Container Qty	40' Container Qty
6.9kg/unit	(h)26.5cm • (w)26.5cm	1,120 units	2,624 units

Zoom Plancha

Wood/Charcoal Plancha Stove

- **Combustion Chamber** refractory metal
- **Insulation** abrasion resistant, lightweight ceramic
- **Stovetop** cast iron with flame baffles and two removable tops for direct access to the flame
- **Stick Supports** steel (not pictured)
- **Body** painted sheet metal with reinforced doors
- **Chimney** 8 feet stainless less with end cap & protective fence
- **Wood Drying Compartment** large, in back

Efficiency



Thermal Efficiency	
Avg Fuel Savings	
Avg Emissions Savings	
Power Output: High Power	4.1kW ± 0.5kW
Power Output: Low Power	2.3kW ± 1kW

5-Liter Water Boiling Test

Conducted by Aprovecho Research Center

	Open Fire	Zoom Plancha
CO Emissions	65g	17g
PM Emissions	1674mg	1207mg
Energy to Cook	21.8MJ	13.2MJ
Fuel to Cook	1253g	757g
Time to Boil	38 mins	31 mins

Shipping Specifications

Shipping Weight	Box Dimensions	20' Container Qty	40' Container Qty
37kg/unit	(h)36cm • (w)48cm (l)61cm • Rectangle	320 units	640 units

ecozoom

solar lighting products

These products have been specifically designed for people in developing countries with limited access to electricity. More than just a light, they come with additional functions.

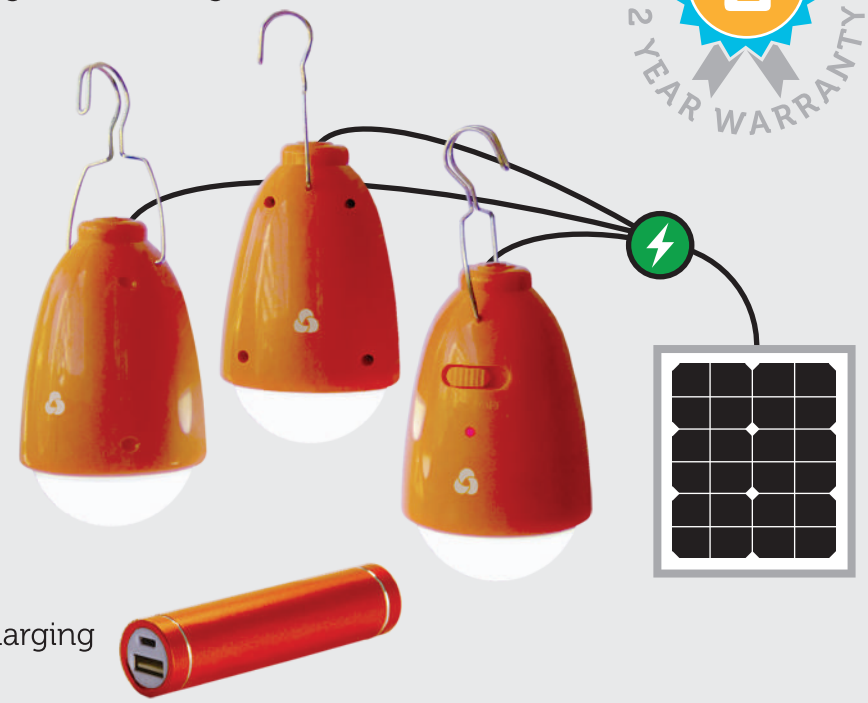
Radiolamp - The combination of a powerful LED lamp and radio with the facility to charge your mobile device makes the Radiolamp a truly revolutionary device. The Radiolamp also doubles as an MP3 player. Included with the Radiolamp is a solar charging panel.

Multi-Lights (with powerbank) - The Multi-Lights offer complete flexibility of use. They can be charged individually or collectively and have no wires meaning they can be placed wherever they are needed. They come with a solar charging panel and a portable powerbank so that you can charge your mobile phone anytime, anywhere!

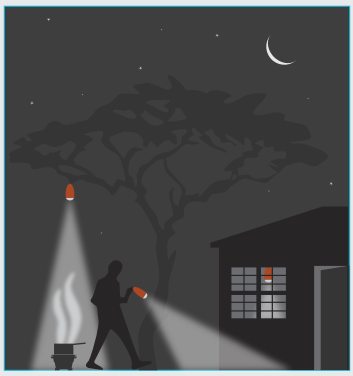
Multi-Light including Power Bank

Flexible solar home system with portable power bank

- 3 Solar powered lamps with 2 brightness settings
- 8 hours of lighting per bulb
- Mobile Phone Charging
- 2 year Warranty
- 3 year battery life
- Power Bank for mobile phone charging

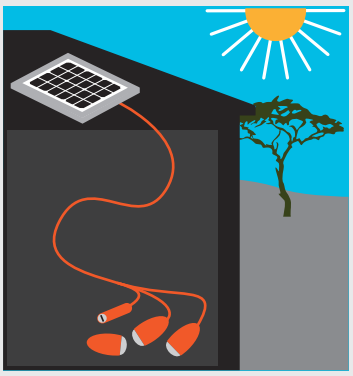


How to Use



No need for cables. you can use the lamps inside,outside or on the go

Easily charge lamps from one room to another. No restrictive cables



Charge the lamps or power bank during day using solar panel

Flexible 24 hr mobile phone charging on the go with the Power Bank

Technical Specifications

Solar Panel	6W 6V polycrystalline, aluminium frame, 6M cable, 3 DC connectors for charging lights, one USB output.
LED Lamps	Three bulbs, orange housing, each with 2200mAh 3.7V lithium ion battery, two brightness settings, frosted glass.
Charging	5-in-1 mobile charging cable.
Brightness	Two brightness settings (150 & 75 lumens).
Power Bank	Aluminium shell.
Capacity	2600mAh
Size	Size: 106*22(D)mm.
Cable	Micro USB Cable
Solar run times (per bulb)	4 hours on 150 lumens, 8 hours on 75 lumens

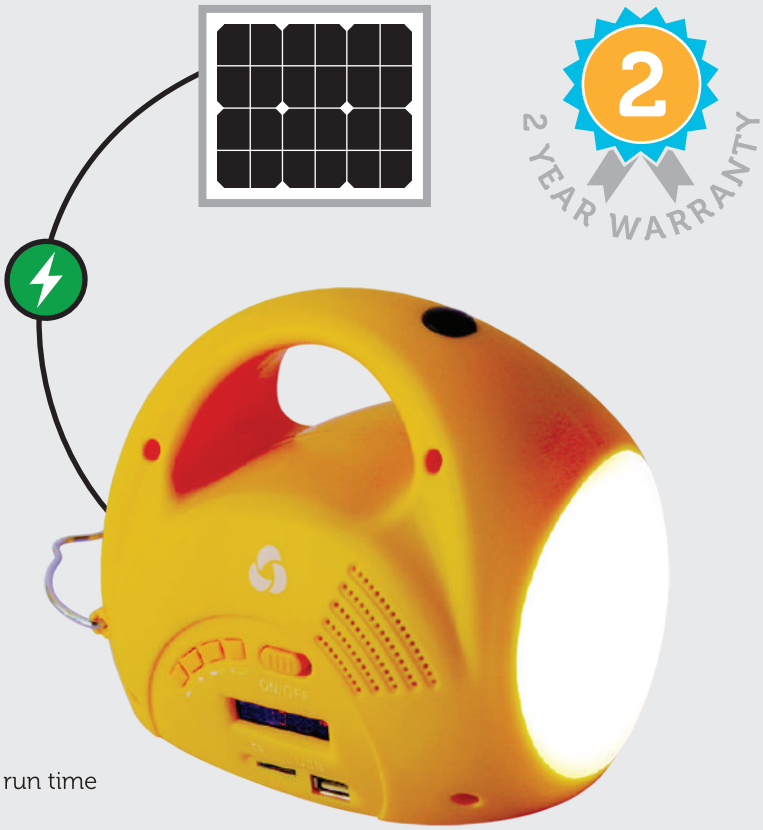
Shipping Specifications

Shipping Weight	Box dimensions	20' Container Qty	40' Container Qty
1kg/unit	(h) 29cm • (w) 11cm • (l) 21cm	3,600 units	8,640 units

Radiolamp

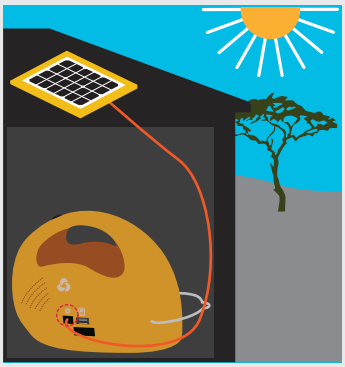
Solar powered lamp with built-in radio and MP3 player

- Solar lamp with 4 brightness settings
- 50 hours of lighting
- 20 hours of built-in FM radio
- 20 hours of built-in MP3 player
- Mobile phone charging
- 2 year warranty

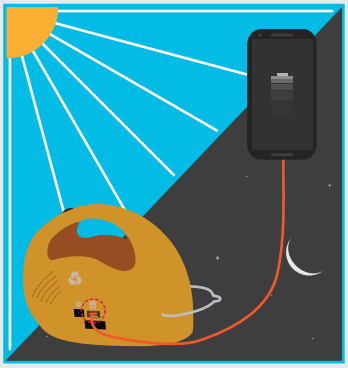


*Using radio/light/phone charging/MP3 simultaneously will reduce run time

How to Use



Charge Radiolamp with solar panel during the day



Radiolamp provides mobile phone charging night and day

Built-in FM radio for news and music

Built-in MP3 player for hours of music

*Do not leave Radiolamp outside in the rain

Technical Specifications

Solar Panel	Yellow single 4W 5V polycrystalline, plastic frame, 5M cable, DC connector.
LED Lamp	12 pcs of LEDs (2W), frosted glass.
Battery	3900mAh 3.2V Lithium Ion Phosphate battery.
Radio	Built-in FM radio with memory function LCD display.
MP3 Player	Activated by memory card or memory stick (USB).
Charging/Brightness	5-in-1 mobile charging cable. 4 brightness settings (170, 100, 50 & 17 lumens).

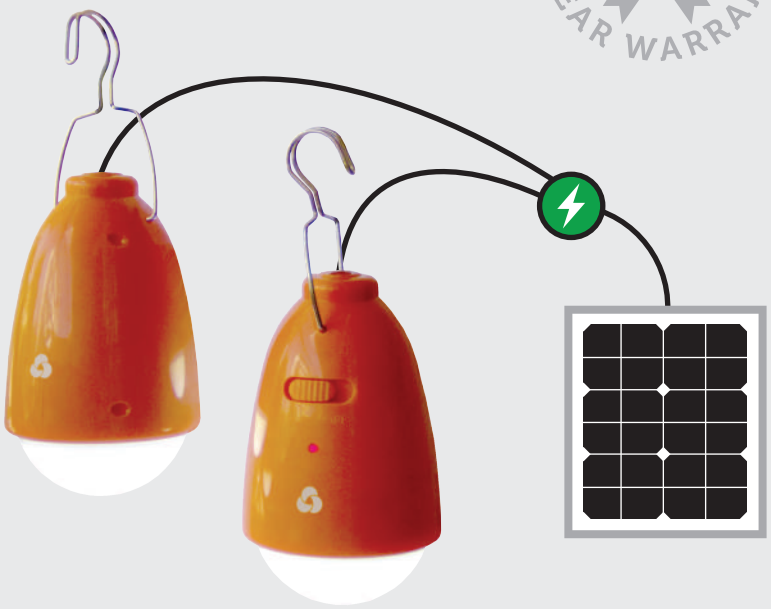
Shipping Specifications

Shipping Weight	Box dimensions	20' Container Qty	40' Container Qty
1 kg/unit	(h) 20.5cm • (w) 16cm • (l) 23cm	2,624 units	6,624 units

Duo Light

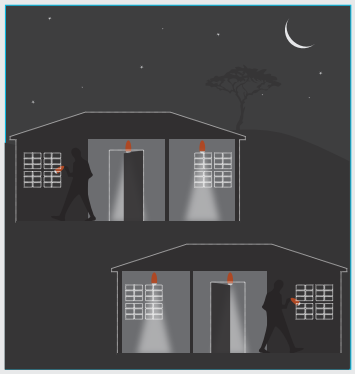
Flexible solar home system

- 2 Solar powered lamps with 2 brightness settings
- 8 hours of lighting per bulb
- 2 year Warranty
- 3 year battery life
- Mobile phone charging

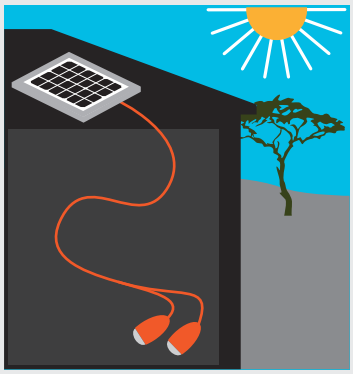


How to Use

No need for cables. you can use the lamps inside,outside or on the go



Easily charge lamps from one room to another. No restrictive cables



Charge the lamps during day using solar panel

Technical Specifications

Solar Panel	4W 6V polycrystalline, aluminium frame, 6M cable, 2 DC connectors for charging lights, one USB output.
LED Lamps	Two bulbs, orange housing, each with 2200mAh 3.7V lithium ion battery, two brightness settings, frosted glass.
Charging	5-in-1 mobile charging cable.
Brightness	Two brightness settings (150 & 75 lumens).
Cable	Micro USB Cable
Solar run times (per bulb)	4 hours on 150 lumens, 8 hours on 75 lumens

Shipping Specifications

Shipping Weight	Box dimensions
1 kg/unit	(h) 23cm • (w) 11cm • (l) 20.5cm

Single Light

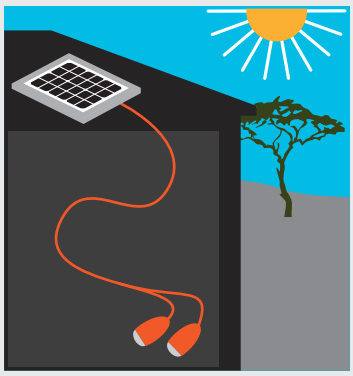
Add it to your Solar System

- 1 Solar powered lamp with 2 brightness settings
- 8 hours of lighting per bulb
- 2 year Warranty
- 3 year battery life

How to Use

No need for cables. you can use the lamps inside,outside or on the go

Easily charge lamps from one room to another. No restrictive cables



Charge the lamps during day using solar panel

Technical Specifications

LED Lamps	One bulb, orange housing, with 2200mAh 3.7V lithium ion battery, two brightness settings, frosted glass.
Brightness	Two brightness settings (150 & 75 lumens).
Capacity	2200mAh
Solar run times (per bulb)	4 hours on 150 lumens, 8 hours on 75 lumens

Shipping Specifications

Shipping Weight	Box dimensions
250g/unit	(h) 17cm • (w) 7cm • (d) 7cm

Single Solar

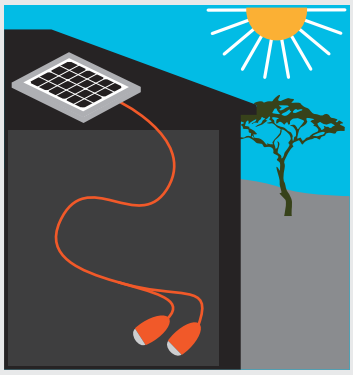
With phone charging

- 1 Solar powered lamp with 2 brightness settings
- 8 hours of lighting per bulb
- 2 year Warranty
- 3 year battery life
- Mobile phone charging

How to Use

No need for cables. you can use the lamps inside,outside or on the go

Easily charge lamps from one room to another. No restrictive cables



Charge the lamps during day using solar panel

Technical Specifications

Solar Panel	3W 6V polycrystalline, plastic frame, 6M cable, 1 DC connector for charging light. One USB cable.
LED Lamps	One bulb, orange housing, with 2200mAh 3.7V lithium ion battery, two brightness settings, frosted glass.
Charging	5-in-1 mobile charging cable.
Brightness	Two brightness settings (150 & 75 lumens).
Solar run times (per bulb)	4 hours on 150 lumens, 8 hours on 75 lumens

Shipping Specifications

Shipping Weight	Box dimensions
1kg/unit	(h) 25cm • (w) 23cm • (d) 9cm

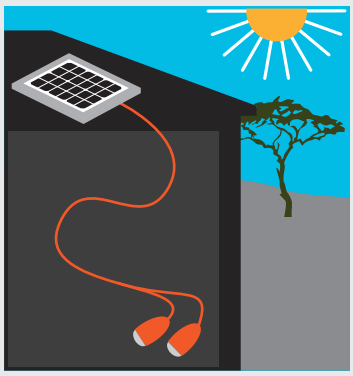
Single Solar

- 1 Solar powered lamp with 2 brightness settings
- 8 hours of lighting per bulb
- 2 year Warranty
- 3 year battery life

How to Use

No need for cables. you can use the lamps inside,outside or on the go

Easily charge lamps from one room to another. No restrictive cables



Charge the lamps during day using solar panel

Technical Specifications

Solar Panel	1.7W 6V polycrystalline, plastic frame, 3M cable, 1 DC connector for charging light.
LED Lamps	One bulb, orange housing, with 2200mAh 3.7V lithium ion battery, two brightness settings, frosted glass.
Brightness	Two brightness settings (150 & 75 lumens).
Solar run times (per bulb)	4 hours on 150 lumens, 8 hours on 75 lumens

Shipping Specifications

Shipping Weight	Box dimensions
1kg/unit	(h) 25cm • (w) 23cm • (d) 9cm

Stove Carrier Bag

Enables you to easily transport your stove anywhere.

Specifications

Diameter	29 cm
Height	32 cm
Weight	0.37 kg
Fits	Dura or Versa Stove

Benefits

Strong and durable, protects your stove from scratches and bumps

Water Resistant. Suitable for all weather

Compartments for carrying fuel and accessories

Materials

36% Oxford Cloth Outside | 32% Flame Retardant Cloth inside | 32% Sponge Mid-Section

Cast Iron Cooking Accessories

Perfect for cooking with Ecozoom Stoves

Dutch Oven

Frying Pan

Grill Pan

Specifications	Dutch Oven	Frying Pan	Grill Pan
Diameter	30 cm	25 cm	35 cm
Height	13 cm	4.5 cm	3.5 cm
Weight	5 kg	2 kg	3.5 kg
Volume	9.5 litres	2.2 litres	3.5 litres
Thickness	4 mm	4 mm	4 mm
Seasoned	✓	✓	✓
Extras	Pedestal, Lid lifter, Bag	–	–

Benefits

Durable - can last up to ten years!

Ideal for cooking on an Ecozoom Stove

Heats up quickly and evenly!

Materials

94% Cast Iron 4% Carbon 1.9% Silicone 0.07% Phosphorus 0.03% Sulphur

Seasoned with Vegetable Oil

Stove Pot Skirt

Significantly improves cooking speed and efficiency.

Specifications

Type	Galvanised Steel	Stainless Steel
Fits (Stove Top)	24in - 28in	24in - 32in
Weight	0.38 kg	0.46 kg

Benefits

Additional fuel savings. Up to 15%

Less smoke emissions. Up to 20%

Protects the fire from blowing out