



ELEPHANT ENERGY



- July 2010 -

**Appropriate Sustainable
Energy Technologies
Product Catalog**

Dear Supporters:

This catalogue is presented to you by Elephant Energy, a non-profit organization promoting rural development and nature conservation through the dissemination of appropriate and affordable renewable energy technologies. Through our experience working hand-in-hand with communities within Namibia's community-run nature conservancies, Elephant Energy has strategically selected this suite of versatile, high-quality, low cost products you see here. Each product is designed to meet the varied daily energy needs in rural communities while protecting local environmental resources. Order today and help us energize rural Africa.

Sincerely,



Doug Vilsack - Elephant Energy Director

Stories from Caprivi

“One night I heard something moving near my cottage. I came out with my torch and I saw a big snake! Without the torch, the snake could have hurt someone.”

- Musiuna Maktin, Hanoiana village, Sobbe Conservancy, Namibia

“The torch helped me when we had a child who was sick. With the torch, we can look after them in the night before we go to the hospital the next day.”

- Silelwa Warren, Sitanta Village, Sobbe Conservancy, Namibia

“One night, I was guarding my fields with my husband. The children and a small dog were sleeping near the fire. The small dog barked once and we were afraid. We knew there was an elephant right there, but there was nothing we could do. We lighted the fire and beat the drums, but the elephant was coming towards our children. This time, the elephant ran away. We wish we had a torch to scare away the elephant in the night.”

- Kopelo Manstah, Sabelo Village, Sobbe Conservancy, Namibia



The Mini-BoGo Light by SunLight Solar is a solar powered, portable lighting device incorporating a solar panel, one super high efficiency LED and an electronic power management system.

Product Features

- Electronic power management system prevents batteries from overcharging or fully discharging to protect batteries and improve battery life
- Night glow strip helps locate the Mini-BoGo in the dark
- Carabiner clip for attachment to rope, belt loop, or backpack
- Water-proof
- Super-bright, super-high efficiency, long life LED light.
- Uses one AA rechargeable battery
- Lens is made of shatter-resistant
- Lightweight: 5 oz.

6+ hours of light on a full charge (8-10 hours full sunlight)

PRICE: N\$150

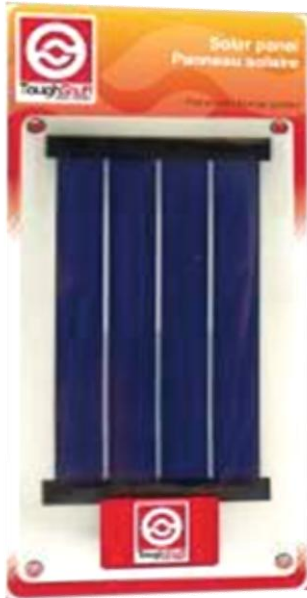
The SN-2 BoGo Light by SunLight Solar is a solar-powered, portable lighting device incorporating a solar panel, 9 LEDs, and an electronic power management system.

Product Features

- Electronic power management system prevents batteries from overcharging or fully discharging to protect batteries and improve battery life
- Three AA rechargeable batteries are air-cooled for better operation in very hot conditions
- High, medium and low settings in task light and room light modes provide user six brightness settings
- Night glow strip helps locate the SN-2 in the dark
- Carabiner clip for attachment to rope, belt loop, or backpack
- Water-resistant
- Battery compartments can be opened with a coin for easy battery replacement.

Hours of light on a full charge (8-10 hours full sunlight)	
Setting	
High	4-5
Medium	6-10
Low	16-20+

PRICE: N\$225



The **ToughStuff Solar Panel** is a mini-solar panel (1w, 5.6v, 174 mA current) that comes with a 2 meter cable to provide power to the ToughStuff LED lamp and to charge mobile phones in conjunction with the mobile phone connector.

Product features

- Flexible PV strips are light weight and durable
- Charges in lower light levels
- Water-resistant
- Resilient up to 80°C
- Eyelets for easy tying to a roof and preventing theft
- A useful life of 10 years

The **LED Lamp by ToughStuff** is a lightweight lamp (4.3oz) that can be used as a portable torch or mounted for use in the home. The lamp is charged using the ToughStuff Solar Panel.

Product features

- Swiveling hanger for hanging from the ceiling or nailing to a wall
- Imbedded battery
- Indicator light notifies user when battery is fully charged
- Strong plastic frame to resist multiple falls
- Four high-power led lights with 4 brightness settings from low illumination to high



Setting	Hours of light on a full charge (one full day's sunlight)
High	6
Low	30

The **Mobile Phone connector by ToughStuff** is used in combination with the ToughStuff Solar panel in order to charge most mobile phones.



Product Features

- Four different connectors that fit most common phones can be connected directly to the ToughStuff Solar Panel.
- Wires are fray-resistant in the case of damage

ToughStuff Solar Panel, LED Lamp and Mobile Phone Connector

PRICE: N\$180



The Eton Corporation MicrolinkFR150 is a compact, solar-powered and self-powered AM/FM/Weatherband Portable Radio, LED torch and USB cell phone charger.

Product Features

- 3 power sources: solar power; built-in rechargeable Ni-MH battery pack; USB port (USB cord not included)
- Built-in hand crank power generator recharges the internal rechargeable battery and mobile phone batteries
- 3 LED lamp
- Earphone jack – 3.5 mm socket

Function	Use time on a full charge (8-10 hours) using solar power	Use time on a full charge using crank power
Radio	3-5 hours	90 seconds cranking= 30-45 minutes of play
Torch	-	-
Cell phone charger	-	10-15 minutes cranking= 1+ minute talk time

PRICE: N\$240

The Sun King™ Solar Lantern by GreenLight Planet is a bright and long-lasting light which can be used as a focused torch, a reading light or for general lighting. Steel stand and solar panel for charging included.

Product Features

- Water-resistant, shatter-proof polycarbonate shell
- 10 white LEDs each >90 lumens per watt
- Solar panel includes roof-mountable frame and 5-meter detachable cord.
- Lithium-ion cell battery has 3 year lifespan
- Thin-film crystalline technology improves solar panel charging in cloudy weather.
- Weather-sealed solar panel with aluminum frame ensures longevity

Setting	Hours of light on a full charge (8 hours direct sun)
Torch (high intensity, focused light)	16
Lantern (360-degree, broad reach)	16
Turbo (high intensity, dispersed light)	4



PRICE N\$170



The **Kiran by D-Light** is an ultra-light, user-friendly LED lamp which can be carried, hung from the wall or ceiling or placed on any surface to effectively illuminate the surrounding area.

Product Features

- A highly efficient solar panel is integrated into lamp top
- Even white light provides 360-degree illumination
- Product shape, portability, and multiple-setting handle allow flexible usage
- Protection from over-charging
- Two brightness settings for versatile use

Setting	Hours of light on a full charge (8 hours)
High	4
Low	8

Hours of light based on solar charging in full sunlight at 25 degrees Celsius

PRICE: N\$130

The **Nova S201 by D-Light** is a sturdy, all-purpose lamp that doubles as a mobile phone charger. Portable solar panel with outdoor cable and mobile phone adapters for charging included.

Product Features

- Durable lamp is weather resistant, able to withstand a 2-meter drop and internal circuitry is protected from dust and insects.
- Mobile phone adapters make lamp an energy source for charging mobile phones.
- Has handle and top strap so user can carry as portable light or hang for stationary use
- Smart Battery Indicator allows user to manage power effectively
- Long-lasting LED light lasts 50,000 hours
- Four brightness levels for use with different tasks
- Protection from voltage spikes and low voltages

Setting	Hours of light on a full charge (8 hours direct sunlight)
High	4
Medium	6
Low	12
Bed light	100
Mobile phones can be fully charged in 2 hours	

Hours of light based on solar charging in full sunlight at 25 degrees Celsius



PRICE: Coming Soon



The **Solata by D-Light** is task lamp providing bright, focused light for studying, working, or household activities. Portable solar panel for charging is included.

Product Features

- Flexible gooseneck provides 360-degree option of directing the light and functions as a lamp handle.
- Protection from voltage spikes and low voltages
- Lamp base provides stability on most surfaces and has a keyhole for hanging from wall hook.
- Ultra-light, ultra-portable
- Two brightness level settings for different tasks: High (working, studying and cooking) and low (walking and socializing)

Setting	Hours of light on a full charge (at least 6 hours)
High	4
Low	15

Hours of light based on charging in full sunlight at 25 degrees Celsius

PRICE: Coming Soon

The **G-3300 Single Pot Cookstove by Envirofit** is a durable and long-lasting cookstove which increases fuel efficiency and decreases emissions and smoke.

Product Features

- Compatible with fuel sources wood, coal and crop waste
- Metal body construction
- 5-year minimum life for the G-3300 combustion chamber
- Compared to traditional cooking fires
 - Reduces emissions by as much as 80%
 - Uses up to 60% less fuel
 - Reduces cooking cycle time by up to 50%



	1 Stove		100 Stoves		Tons
	Per year	Over 5 years	Per year	Over 5 years	
Wood Savings	.8	4	-	-	
CO2 Savings	1.5	7	-	-	

PRICE: Coming Soon





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