

- Reach out to All CHILDREN
- Connect with Rural Communities
- Fight Climate Change
- Empower Youth
- #LightupUganda

Provide MILLIONS of CHILDREN
with the Gift of a Solar Light



e-Learner
Uganda



FIGHT CLIMATE CHANGE

By reducing air and INDOOR air pollution



IMPROVE CHILD EDUCATION

Increase study hours outside the classroom



REDUCE HEALTH RISKS

Reduce cancers, lung diseases and strokes



SECURITY & PROTECTION

Giving women and children the ability to move freely, safely and securely at night

#OneMillionLights



e-Learner
Uganda

LIGHT UP UGANDA

**Light-up EVERY HOUSEHOLD in
Urban & Rural Areas**

Improve Children's Education

Empower Youth

Impact Climate Change Positively

Reduce Health Risks

Increase Safety & Security

**Raise Awareness of Renewable
(solar) Energy**

How **big** is the **UGANDA market?**

- **43.7** million population (UBOS Mid-year 2022)
- **55%** of population below 18 years of age
- **25%** of the population enrolled in Primary education or below.
- One of the **youngest** populations in the world
- **83%** of the population lives in Rural setting
- **33%** electrification rate in Rural areas (World Bank 2020)

REACH MILLIONS of CHILDREN
through the GIFT OF LIGHT



There are over twelve million children enrolled in schools in Uganda that could benefit from a safe, clean and bright solar light to use after school.

School Enrollment for Boys and Girls (2016)

Level	No of Schools	Enrolment (Male)	Enrolment (Female)	Enrolment Total
Pre - Primary	6,798	279,089	284,824	563,913
Primary	19,718	4,294,473	4,361,451	8,655,924
Secondary	3,070	765,406	691,871	1,457,277
Government	1,058	368,236	310,979	679,215
Private	2,012	397,170	380,892	778,062
TOTAL				12,134,391

12,134,391

Enrollment Total for Boys and Girls (2016)

: Education Management Information System (EMIS) 2016

Provide MILLIONS of
CHILDREN with the
Gift of a Solar Light

SOLAR SOLUTION

FOR MILLIONS OF
SCHOOL CHILDREN
ALLOVER THE
COUNTRY

Africa and Uganda's most innovative and renewable solar light provides continued support for children in education, security at night for women and families while simultaneously fighting climate change.

Africa's most innovative solar light is simple to use, versatile, portable and brings light to every book, homework, exam revision, cooking, family and dinner time!

Provide MILLIONS of CHILDREN with the Gift of a Solar Light



FIGHT CLIMATE CHANGE



REDUCE HEALTH RISKS



IMPROVE CHILD EDUCATION



SECURITY & PROTECTION



POSITIVE IMPACT OF THE SOLAR LIGHT

- More Learning Hours
- More Reading Time
- Improved Exam Results
- Better School Attendance
- Better for Health
- Saves Household Income
- More Motivation
- Improved Confidence
- Better Concentration
- More Girls in Education
- Positive Impact on Climate
- Clean Energy

Provide MILLIONS of CHILDREN with the Gift of a Solar Light

Designed with our team of experts in the United Kingdom
we use the highest quality components and craftsmanship to ensure long product life.

SOLAR LIGHT IMAGES



DESIGNED IN U.K.



SPECIFICATIONS

PV Module Type	Monocrystalline
Battery Type	LiFEPO4
Lamp Type	LED
Brightness (Lumens)	25 Lumens
Full Battery Runtime	6 - 10 hours
Solar Charging Time	4 hours
Lifespan	5 Years

KEY FEATURES

Patented design

Use any bottle as a light stand

Adjustable angle

Ultra-bright LED

Solar Panel (USA)

A-grade LiFEPO4 battery

High quality material

Durable

Robust

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Provide MILLIONS of CHILDREN with the Gift of a Solar Light

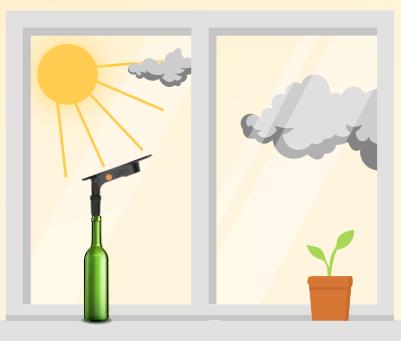
SOLAR LIGHT

USER GUIDE



IMPORTANT CHARGING THE SOLAR LIGHT

Select a dry and safe location with direct sunshine, allowing the solar panel to receive up to 6 hours of sunlight each day.



Up to
10
Hours
of light
everyday

Up to
5
Years
Life span

MILLIONS
of
CHILDREN
REACHED

Provide MILLIONS of CHILDREN with the Gift of a Solar Light

POSITIVE IMPACT of SOLAR LIGHT for MILLIONS OF CHILDREN AND FAMILIES

IMPACT Education

A SOLAR LIGHT ALLOWS A CHILD TO STUDY AND READ AT NIGHT

With access to this bright, safe, clean and free light, children can do extra hours of homework and reading each day.

Studies have shown improvements in performance, attendance, concentration and motivation of pupils at school.

- ✓ **More Learning Hours**
- ✓ **More Reading Time**
- ✓ **Better Exam Results**
- ✓ **Better School Attendance**



IMPACT Health, Safety & Security

A SOLAR LIGHT REDUCES INDOOR AIR POLLUTION, FIRE & POISONING

Elimination of using a kerosene lamp reduces indoor air pollution and an improvement in health as a result; including a reduction in coughing, chest problems, eye irritation and illness.



170 CIGARETTES Every year

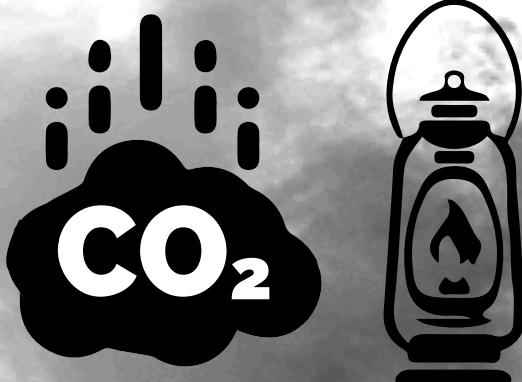
POSITIVE IMPACT of SOLAR LIGHT for MILLIONS OF CHILDREN AND FAMILIES

Provide MILLIONS of
CHILDREN with the
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IMPACT Environment & Climate

A SOLAR LIGHT CAN FIGHT CLIMATE CHANGE & REDUCE CO₂ EMISSIONS

Each kerosene lamp emits on average 370kg of CO₂ and equivalent in the form of black carbon, each year (1.1 tonnes over 3 years). Eliminating toxic black carbon is a quick and effective way to mitigate climate change.



✖ TOXIC
✖ DANGEROUS
✖ COSTLY

IMPACT Household Income

A SOLAR LIGHT CAN HELP LIFT MILLIONS OUT OF FUEL POVERTY

Lighting is often the most expensive item in the household budget of Africa's poorest families, typically 10–15% of total household income.

When families switch from kerosene to solar they can save up to \$96 annually; additional

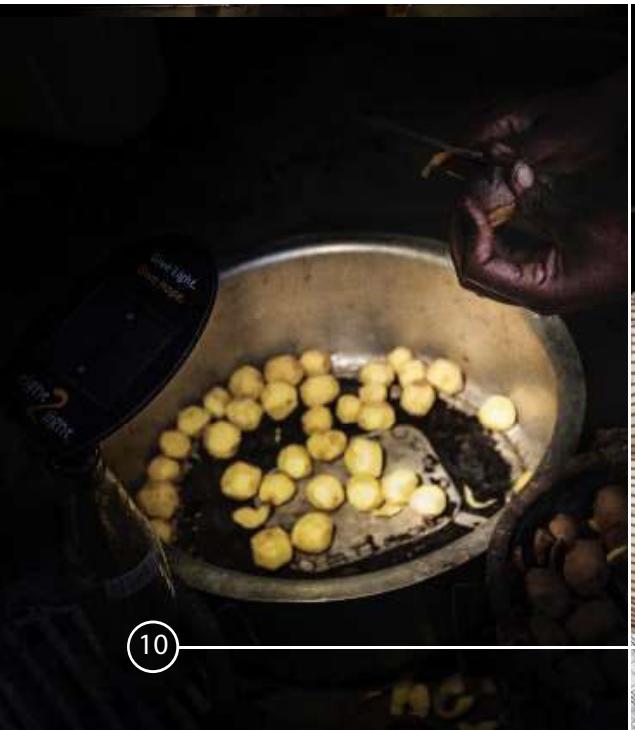
income is spent on food, education and investment in livelihoods.



**SAVE UP TO
\$96 PER YEAR**



THE GIFT OF LIGHT



Provide **MILLIONS** of
CHILDREN with the
Gift of a Solar Light

Impact Calculator

One Solar Light can have
a BIG impact on families.

1 Solar light	5 People reached	UGX 400,000 Saved by families	1,170 Extra hours of child study time	1.1 Tonnes of CO ₂ emissions averted

Numbers based on the minimum 3 year life-span of one solar light



INDOOR AIR POLLUTION A SILENT KILLER



In Uganda, school children do their homework in the evenings by the light of kerosene lamps which are widely used for lighting in rural areas of Africa where there is no electricity.

Provide **MILLIONS** of
CHILDREN with the
Gift of a Solar Light

Kerosene Lamps KILL

Kerosene lamps emit a thick black smoke. The air pollution kills more people than **HIV** and **Malaria** combined, annually

190 MILLION TONNES

of CO₂ emitted from fuel-based lighting, every year!

600 MILLION PEOPLE

live without access to electricity

170 CIGARETTES

equivalent for every kerosene lamp that burns for a year

1
MILLION CHILDREN

die or injured from severe burns in Africa, every year!

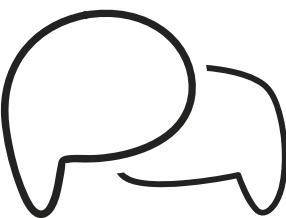


Provide MILLIONS of CHILDREN with the Gift of a Solar Light

True Stories

Name: Kiara
Occupation: Student
Age: 7 Years
Country: Tanzania

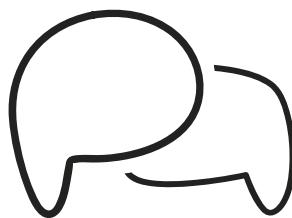
"Me and my daughter Kiara can spend more time together. After she finishes her homework we read a story book before goes to sleep. The light has made us happy"



Name: Mrs. Maurine
Occupation: Housewife
Age: 44 Years
Country: Uganda

"Every evening I cut the vegetables and prepare the dinner for my family. The light is bright and I don't have to worry about the smell from kerosene anymore"

True Stories



Provide **MILLIONS** of
CHILDREN with the
Gift of a Solar Light



Name: Mama Josephine
Occupation: Market Trader
Age: 51 Years
Country: Kenya

"The Solar Light allows me to prepare my food in the evening at home so I can sell on the markets the next day"

Name: Safina
Occupation: Student
Age: 11 Years
Country: Rwanda

"I want to be a doctor when I grow up. Now I can do my homework, revise for exams and read books."



Provide MILLIONS of CHILDREN with the Gift of a Solar Light

UGANDA Country Profile



The Republic of Uganda is a landlocked country in East Africa. The country is bordered to the east by Kenya, to the north by South Sudan, to the west by the Democratic Republic of the Congo, to the south-west by Rwanda, and to the south by Tanzania. The southern part of the country includes a substantial portion of Lake Victoria, shared with Kenya and Tanzania. Uganda is in the African Great Lakes region. Uganda also lies within the Nile basin and has a varied but generally a modified equatorial climate. It has a population of around 43.7 million. Uganda is named after the Buganda kingdom, which encompasses a large portion of the south of the country, including the capital Kampala and whose language Luganda is widely spoken throughout the country.

FACTS

Population

43.7 Million
(UBOS Mid-year 2022)

Area 241,038 sq km

Major Religions

Christianity, Islam



Republic of Uganda

Capital: Kampala

Calling code

+256

Currency

Ugandan Shilling (UGX)



UGANDA Country Profile

Provide MILLIONS of
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Uganda is a country with huge renewable energy resources potential, including hydro and solar power. However, large parts of the population still does not have access to electricity, especially rural areas.

80%

Of Uganda's school age children and youth live in rural off grid areas.

These learners face difficulties in accessing home learning technologies and even the few who have access find difficulty in powering these learning tools.

Source: World Bank Data

36%
RURAL

communities have access to electricity with households still using kerosene, candles and battery powered torches as sources of lighting.



SUSTAINABLE DEVELOPMENT GOALS (SDGs)

Provide MILLIONS of CHILDREN with the Gift of a Solar Light

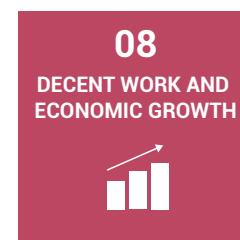
The 2030 Agenda for Sustainable Development, adopted by all United Nations Member States in 2015, provides a shared blueprint for peace and prosperity for people and the planet, now and into the future. At its heart are the 17 Sustainable Development Goals (SDGs), which are an urgent call for action by all countries - developed and developing - in a global partnership. They recognize that ending poverty and other deprivations must go hand-in-hand with strategies that improve health and education, reduce inequality, and spur economic growth – all while tackling climate change and working to preserve our oceans and forests

SUSTAINABLE DEVELOPMENT GOALS



United Nations

Through our solar light we aim to IMPACT key SDGs, set by the United Nations



Our core focus is to IMPACT as many areas as possible such that it enables us to broaden our market and partners in spreading the light

Provide MILLIONS of CHILDREN with the Gift of a Solar Light

Our solar lighting solution helps provide energy access, directly underpinning Goal 7 Its also helps meet many other SDG's:

EDUCATION

04

05

07

08

7

ENVIRONMENT & CLIMATE

07

13

A SOLAR LIGHT CAN FIGHT CLIMATE CHANGE AND REDUCE CO2 EMISSIONS

Each Kerosene lamp emits 370Kg of CO2 emissions in the form on black carbon each year. Eliminating black carbon is a quick and effective way to mitigate climate change.

HEALTH, SAFETY & SECURITY

03

07

A SOLAR LIGHT REDUCES INDOOR AIR POLLUTION AND INCREASES MOBILITY AT NIGHT

By the elimination of using a kerosene lamp studies have shown an improvement in health as a result; including reduction in coughing, chest problems, eye irritation and other illnesses. It also gives women and children the ability to move freely in the night within the refugee camps deterring potential poisonous snakes and safety from rape.

HOUSEHOLD INCOME

01

07

08

A SOLAR LIGHT CAN HELP FAMILIES OUT OF FUEL POVERTY

Lighting is often the most expensive item in the household budget of Africa's poorest families, typically 10-15% of total household income. When families switch to solar they can make immediate savings.





7 AFFORDABLE AND CLEAN ENERGY



4 QUALITY EDUCATION



5 GENDER EQUALITY



8 DECENT WORK AND ECONOMIC GROWTH



13 CLIMATE ACTION



Partner with us and help GIFT Clean Energy to millions of children with Africa's most innovative SOLAR LIGHT