

## European Solar and Energy Storage Solutions

# Zambia green energy international limited



## Overview

---

How can we help Zambia achieve a greener future?

We are taking our first steps to guarantee widespread electrification in Zambia while contributing to the country's energy transition. A constantly growing share of renewable energy is providing a decisive push to the energy transition while guiding the country towards a greener future. Would you like to work with us?

.

Why should Zambia invest in a power project?

This power project is expected to boost Zambia's energy capacity, which has been a critical issue in recent years, leading to power outages and supply interruptions in the country. The additional power supply will not only cater to the domestic demand but also enable Zambia to export surplus energy, which will enhance its foreign currency earnings.

How much does it cost to achieve Zambia's green growth ambitions?

It is estimated that achieving Zambia's green growth ambitions and Nationally Determined Contribution commitments under the Paris Agreement will cost over \$17 billion through 2030. At the same time, prudent fiscal management is crucial, given debt distress and macro-fiscal constraints.

How can Zambia achieve green growth goals?

Zambia should also strategically use climate funds and bilateral funding to support the investments needed to achieve green growth goals and enhance the enabling environment for attracting additional capital. Major opportunities also exist to maximize the value of Zambia's significant nature-based endowments through international carbon markets.

How can Zambia benefit from energy transition minerals & natural resources?

First, Zambia can leverage energy transition minerals and other natural resources for its development alongside strengthening its environmental legislation, institutions, and enforcement. Zambia has substantial untapped natural wealth with great value-addition prospects.

How can Zambia maximize environment-friendly economic growth?

In Zambia, we see two critical avenues to maximize environment-friendly economic growth. Zambia has vast natural resource endowments, and the environment—development tradeoffs can be balanced with sustained economic growth.

## Zambia green energy international limited

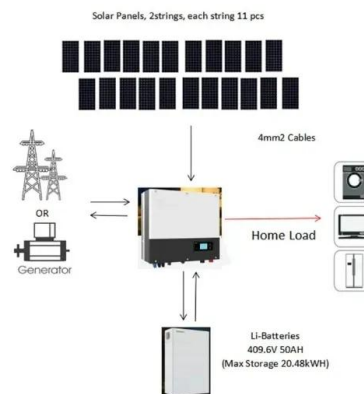


### Sustainable Energy Investment Opportunities in Zambia; ...

financing for green and sustainability-linked investments. Zambia's inaugural green bond issuance in 2023 has paved the way for innovative financing opportunities in the sector. These strategic initiatives lay a strong foundation for Zambia's transition to a sustainable and resilient energy future. As the country continues to build

### Zambia's green growth opportunities: Balancing ...

While Zambia has significant renewable energy potential, an over-reliance on hydropower, dwindling water sources, and projected growth in mining and other industries could lead to increased emissions from fossil fuels.



#### Commercial and Industrial ESS

Air Cooling / Liquid Cooling

- Budget Friendly Solution
- Renewable Energy Integration
- Modular Design for Flexible Expansion



#### GEI Power

GEI Power is the first and only Zambian energy company that develops PV with cutting-edge battery storage, green hydrogen for electricity generation, and green ammonia production. It is also the first and only manufacturer and distributor of "Mbaula Ya Mphamvu", an innovative and affordable methanol-fuelled clean cookstove.

### Home

Zambian energy company engaged in developing and investing in scalable and sustainable renewable energy projects in Zambia and the rest of sub-Saharan Africa, focusing on the generation, transmission and distribution of green hydrogen, solar and wind power.



## About Us

GEI Power, founded in 2020, is a Zambian sustainable energy company that is focused on developing and investing in green hydrogen, mini-hydro, solar PV and wind power through generation, transmission, and distribution. With a project pipeline exceeding 100MW green hydrogen and 110MW battery energy storage integrated solar PV.

## Zambia : Zesco signs \$3.5bn deal with China's CiEG for renewable energy ...

Zesco, Zambia's state-owned power utility company, has signed a Power Purchase Agreement (PPA) with Integrated Clean Energy Power Company Ltd (CiEG), a subsidiary of China Huadian Corporation




**12.8V6Ah**

Nominal voltage (V):12.8  
 Nominal capacity (Ah):6  
 Rated energy (Wh):76.8  
 Maximum charging voltage (V):14.6  
 Maximum charging current (A):6  
 Floating charge voltage (V):13.6-13.8  
 Maximum continuous discharge current (A):10  
 Maximum peak discharge current @10 seconds (A):20  
 Maximum load power (W):100  
 Discharge cut-off voltage (V):10.8  
 Charging temperature (°C):0-+50  
 Discharge temperature (°C):-20-+60  
 Working humidity: <95% R.H (non condensing)  
 Number of cycles (25 °C, 0.5c, 100%doD): >2000  
 Cell combination mode: 32700-4s1p  
 Terminal specification: T2 (6.3mm)  
 Protection grade: IP65  
 Overall dimension (mm):90\*70\*107mm  
 Reference weight (kg):0.7  
 Certification: un38.3/msds

## Green Bond

13th January 2024, Lusaka - Zambia's debut Green Bond has been successfully listed on the Lusaka Securities Exchange (LuSE), marking a significant milestone achieved through CEC's subsidiary, CEC Renewables Ltd. This achievement is set to play a pivotal role in driving the development of renewable energy

within the country.



## The Strength of Partnerships: Zambia's Renewable Energy Initiative

Zambia's Revised Updated NDC, submitted in 2021, targets emission reductions of 25% (equivalent to 20,000 Gg CO<sub>2</sub>) by 2030 compared to a business-as-usual scenario, or 47% (equivalent to 38,000 Gg CO<sub>2</sub>) with substantial international support. The project contributes to this target by reducing emissions from the forest and electricity sectors



## Supporting women to lead Zambia's green energy and climate ...

Zambia is currently grappling with an energy crisis impacting economic growth and daily life across the nation. Recognising the untapped potential of women to drive change, the Graça Machel Trust launched the GMT Energy and Climate Action Network Summit in Lusaka to position women as leaders in addressing the country's energy challenges. According

**Green Energy International  
Limited**

Green Energy International Limited is proud of its role as a corporate citizen in Nigeria and is active in many projects. Read More. HSE POLICY. We are committed to the prevention of accidents, incidents and spills through the provision of healthy, safe and stable working conditions for our personnel on and at all of our premises.

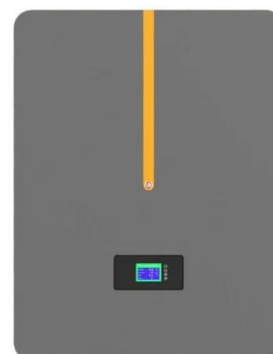


### Zambia's energy sector revolution: Private sector drives skills

Zambia's energy sector revolution: Private sector drives skills strategy for green innovation and job creation. LUSAKA (ILO News) - Energy sector skills strategy development has taken shape in Zambia with active participation of the private sector, the government and workers, as well as employers' organizations at a workshop organized by ...

### The Strength of Partnerships: Zambia's Renewable ...

Zambia's Revised Updated NDC, submitted in 2021, targets emission reductions of 25% (equivalent to 20,000 Gg CO2) by 2030 compared to a business-as-usual scenario, or 47% (equivalent to 38,000 Gg CO2) with ...



### GreenCo's strides in Zambia and the rest of the region

GreenCo has executed an Implementation Agreement (IA) with the Government of Zambia, marking a monumental step in our renewable energy journey. This paves the way for the



25MW Ilute solar PV power plant, a project highlighting Zambia's ...

## Zambia: Financing a Green Future

transition), current landscape of green finance in Zambia, and the demand-side opportunities for green investments in key sectors.<sup>2</sup> As an introductory note, the scope is limited to the banking sector which dominates the financial sector in Zambia (recognizing that ...



## ALLPRO GREEN ENERGY

Allpro Green Energy is a limited liability company registered in Zambia. Allpro Green Energy focuses on development, execution and management of renewable energy projects in Zambia. The availability of Solar energy in abundance in the Sub-Saharan countries and Zambia in particular, makes the development of solar energy projects essential to

## FP080: Zambia Renewable Energy Financing ...

This initiative will support the Government of Zambia's Renewable Energy Feed-in Tariff (REFIT) policy to develop 100 MW of renewable projects, mostly solar power, through long-tenor project loans. GCF and ...

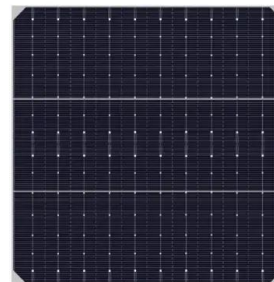


## Contact Us - Green Energy International

Get In Touch Today We're Here To Help We're Here To Help If you have any questions about anything solar related we would like to help. We can help with all aspects of a solar project from start to finish, so if you have any questions at all please feel free to get

## Industrial Development Corporation, Mercuria Energy sign MoU ...

2 ???· The Industrial Development Corporation (IDC) has signed a Memorandum of Understanding (MoU) with South Africa-based Mercuria Energy Trading to enhance Zambia's capacity in global commodity trading. This collaboration seeks to create a platform to market and trade Zambian copper, leveraging mutual strengths to position Zambia as a significant player ...



## About Us - Green Energy

Green Energy International Limited (GEIL) Incorporated In 2006 As An Integrated Energy Company. Our mandate is to create localized domestic markets based on small scale gas



opportunities in our local host communities, Nigeria and Africa at large. In 2010, the Federal Government decided to implement a World Bank study on Small Scale Gas

## Zambia's green growth opportunities: Balancing economic ...

While Zambia has significant renewable energy potential, an over-reliance on hydropower, dwindling water sources, and projected growth in mining and other industries could lead to increased emissions from fossil fuels.



## Zambia

ENGIE Energy Access Zambia offers expandable solar home systems, providing lighting, phone charging, TV, radio and more, financed through affordable instalments via mobile money (MTN). We started out in Zambia in 2017 as Fenix International and have since benefited more than 300,000 customers with our clean energy, impacting over 1.5

## Green Energy International - Renewable Energy Company

Green Energy International Limited operates in the renewable energy market, with a successful track record in delivering solar energy & battery storage projects across the UK. About Us. Green Energy Home jracreative 2022-10-24T19:26:58+00:00. Contact Us.



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://ssab-proiect.eu>