



Zimbabwe

South Africa

Namibia

Mozambique

Togo

Ghana

Angola

COMPREHENSIVE HANDS-ON PHOTOVOLTAIC (PV) TRAINING

The GREEN Solar Academy PTY Ltd. is an independent training provider. The GREEN training approach is based on the DGS SolarSchool, founded by the German Solar Energy Society (DGS). GREEN Solar Academy is a spin-off of the maxx | solar academy, which was founded in 2011. The Green Solar Academy commercial operations commenced in Zimbabwe in 2016. Due to the debilitating economic situation, courses were suspended over the past 18 months. However, the explosion of interest in alternative energy as a result of deficiencies in the national

energy grid supplier in meeting electrical demand has resulted in the Academy resuming its essential training in Zimbabwe.

The approach of all trainings through the GREEN Solar Academy is to be as practical as possible. All courses place considerable emphasis on hands-on exercises to not only teach theoretical knowledge but practical application. GREEN trainings follow modern teaching methods, such as interactive sessions, practical exercises, learning questions and different types of self-tests to ensure the optimal learning effect.

COURSES TAILORED TO THE ZIMBABWEAN MARKET

To assist in providing training on all aspects of utilising solar energy as a real alternative to the provision of electrical energy in Zimbabwe, we have partnered with Samansco, a leading provider of equipment in Zimbabwe to offer various courses for those wishing to understand more about using photovoltaic energy to provide alternative solutions to the energy problems in Zimbabwe. We are commencing training with the Sunrise courses, (an Introduction

to photovoltaics in Zimbabwe,) before the introduction of further courses, being the Technicians course (1 day) and the Designer course (2 days). Other courses are available according to demand and can be developed as required.

All participants earn a certificate of participation on completion of each course. At the end of the Designer Course, applicants have the option to write an examination.

CERTIFIED TRAINERS WITH VAST PRACTICAL EXPERIENCE IN THE PV INDUSTRY

All courses are delivered by GREEN-certified trainers. GREEN Solar Academy trainer candidates are carefully selected based on their hands-on experience, scientific knowledge and their ability to teach.

All trainers have completed training of trainer programmes with DGS and GREEN master trainers and have successfully completed a theoretical and practical examination.

ALUMNI PROGRAMME AS BRIDGE FROM TRAINING TO SUCCESSFUL BUSINESS

GREEN stands for Global Renewable Energy & Efficiency Network as our goal is not only to provide training but to build up a network of PV installers all over Africa. GREEN is the link between manufacturers, wholesalers, associations and PV installers, our alumni. The GREEN Alumni Programme is open for all GREEN and maxx Solar Academy graduates. Our Alumni benefit from several advantages

and are invited to take part in events.

- Facebook group for information exchange and technical support
- Discounts on GREEN Solar Academy trainings and events
- Frequent network meetings with presentations of new products, best-practice projects and latest developments in the industry in cooperation with industry partners.

Contact

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MAMBAKWEDZA Sunrise PV Off-Grid Course

Your entry into the solar industry and energy independence.

This course is in line with the know-how of the German Solar Energy Society DGS and tailored to fit the Zimbabwean market.

Join now and learn

- How sunlight is converted to electricity (hands-on exercise with training kits)
- What is power, what does it do and how to connect cables
- What types of solar systems and applications exist
- How to distinguish between high and low quality
- What are the components of a small off-grid system and how to design it
- How to install a small scale (95 Wp) off-grid system (hands-on installation exercise)

The Sunrise Intermediate off-grid Course provides the technical knowledge and understanding of Photovoltaic (PV) systems. Participants will get to know electrotechnical basics and the functionality of PV systems including the concept of sizing a small off-grid PV solar home system. The course is designed to equip the participants with the fundamental and relevant knowledge to participate in one of the professional training courses of the GREEN Solar Academy

Who should participate?

- Staff members of solar companies
- Entrepreneurs and business founders
- Electricians
- Job seekers who want to work in the solar industry

The course is open to all participants who want to gain knowledge in solar PV. Nevertheless, it is also an opportunity for people who are already in the industry to refresh their knowledge and to ensure all installations are top quality.

Course outline

Basics:

- Basics of solar electricity (series, parallel connection, current, voltage and their influence on yields, I-V characteristic curve)
- Exercises with solar experimental kits
- PV system concepts (stand-alone, grid-tied, back-up, off-grid)

Introduction to PV System configuration:

- Site survey and customer consultation (data collection & client visit)
- Economic efficiency of a system
- Introduction to system sizing - joint calculation of a solar home system

Introduction to the installation of Solar Home Systems:

- PV plant components and how to read their data sheets (solar modules, inverters, solar cable, charge controller and batteries)
- Joint installation of a small scale (95Wp) off-grid system in hands-on installation exercises
- Relevance of system voltage in off-grid systems and other influencing factors

Pre-requisites:

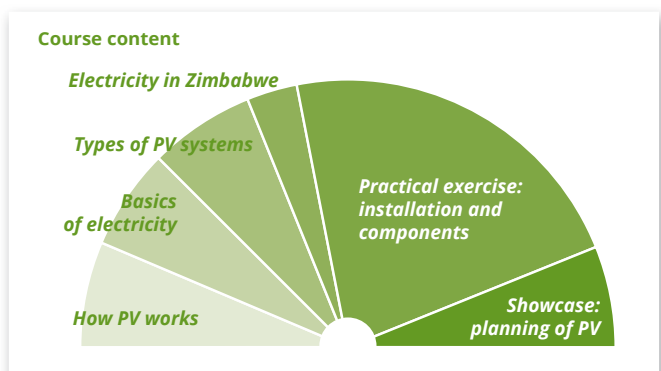
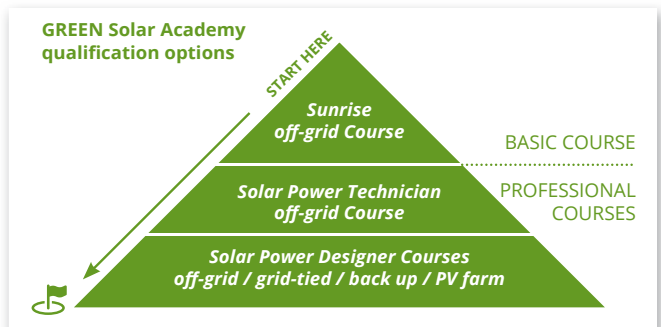
- Interest in PV

Fees	SUNRISE (2 DAYS) COURSE FEES
COURSE ROYALTY FEE (USD Only)	100.00
TRAINING FEES	200.00
TRAINING FEE DISCOUNT 10% for more than 2 pax from the same organisation	
DISCOUNTED TRAINING FEE	180.00

(Updated: 2nd Sept 2020)

Note 1: Royalty is paid in US\$ either into South African account or cash OR into our Nostro account subject to a 30% handling fee.

Note 2: Training fees can be paid either in RTGS dollars at the rate of the day or in USD.



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