



# GREEN Solar Academy

Africa's Premier Training Institute for Solar Power

## MAMBAKWEDZA Sunrise course

### Get your start in the solar PV industry

#### MAMBAKWEDZA Sunrise - 2 day course

This course is ideal for anyone who has no experience in the solar industry and is interested in finding out more. You will get an introduction in the electro-technical basics and the functionality of PV systems, as well as an introduction to becoming a PV installer and understanding renewable energies laws and regulations.

This course focuses on equipping you with the fundamental and relevant knowledge to understand solar PV and is the foundational step in pursuing the Solar Power Designer off-grid course. Or you could follow this course up with the PV Mounter course and augment your knowledge with practical installation training.

During the course you start with getting to grips with PV systems. This provides you with the basis from which to master a foundation for understanding the set-ups of PV systems such as back-up, grid-tied or off-grid.

#### Our trainers

GREEN's trainers come from across Africa and are all invested and experienced in the solar industry. All trainers undergo high quality training in teaching methods and our standardised course material before becoming accredited as GREEN trainers. Our team currently consists of over 20 trainers for all skill levels.

#### Accreditation

The Sunrise course is accredited by the German Solar Energy Society (DGS). You will receive an internationally recognized certificate of participation. The certificate is issued jointly by the GREEN Solar Academy and the DGS.



Exploring PV principles with experiments



Demonstration of real PV systems



Learn from industry professionals

# MAMBAKWEDZA Sunrise course

Get your start in the solar PV industry



## Target Audience

Everyone who is interested in taking their first steps in the PV industry:

- Administration and marketing personnel in PV companies
- Energy consultants
- Marketing administration and management personnel in PV companies
- Electrical engineers and architects
- Technicians and installers
- Students studying within the field



## Prerequisites?

This course has no pre-requisites, it is one of our starter courses. If you are interested in solar PV and want a flying start, this course is for you. It can be combined with other courses like the the Solar Power Designer off-grid (for more in-depth training) or PV Mounter (for more practical training). If you need any assistance booking, please do not hesitate to contact us.



## Main Topics

The course focuses on introducing you to the solar industry and providing you with a deeper understanding of the foundational aspects. Topics are:

### Day 1:

- Electro technical basics (series, parallel connection, current, voltage and their influence on yields, I-V-characteristic curve)
- PV System concepts (stand-alone, grid-tied, back-up)

### Day 2:

- PV system components and data sheets
- Renewable energy laws and regulations for your country
- Different mounting systems
- Economic efficiency
- How to become a PV installer

## Pricing

- The course costs ZAR 4,900.00
- Early bird discount for bookings 8 weeks before the course
- The course payment can be paid into our South African bank account in ZAR
- Payment must be made 2 weeks before the start of the course
- Including lunch, coffee breaks, exercise handouts, certificate fees

Book online at [solar-training.org](http://solar-training.org)



Join our course and begin your PV journey

Interested in the MAMBAKWEDZA Sunrise Course? Contact us!

Nicholas Nhau | Zimbabwe Academy Coordinator

+263 (242) 333 213 | +263 71 277 9911 | [zimbabwe@solar-training.org](mailto:zimbabwe@solar-training.org)