

GREEN Solar Academy

Africa's Premier Training Institute for Solar Power



1-Day PV Solar Basics Course

Get your start in the solar PV industry

1-DAY SOLAR BASICS COURSE

Ideal for anyone who has no experience in the solar industry. 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 PV Mounter 1-day course.

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

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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 Solar Power Designer off-grid (for more in-depth training) or 1-Day PV Mounter (for more practical training). If you need any assistance booking, please do not hesitate to contact us.

Join our course and begin your PV journey



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:

- 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)
- PV system components and data sheets
- Demonstration of the installation of an off-grid solar system
- Different mounting systems
- How to become a PV installer

Interested in the 1-Day PV Solar Basics Course? Contact us!

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