GREEN Solar Academy

Africa's Premier Training Institute for Solar Power

Solar Power Designer Off-grid
Master the design of off-grid PV systems in 3 days

Solar Power Designer for Off-grid PV Systems – 3-Day Course

The Solar Power Designer off-grid course teaches you to design, plan and quote for the installation of state-of-the-art PV systems for off-grid applications.

The course takes you through the step-by-step process of an installation from client consultations, to site visit and design, and finally quotation and a detailed discussion about the installation. The course also goes into more in-depth examination of the concepts; becoming a PV installer and renewable energies laws and regulations.

This course is designed to be an advanced course and we recommend that you either complete the Sunrise course (our beginner course), or have sufficient experience in the solar PV industry before you book for this course. If you need assistance in understanding if you are capable of doing this course please contact us.

Get introduced to sizing and planning a PV off-grid system

Our trainers

Our design trainers all have comprehensive experience and share valuable knowledge from actual projects. Generally, all GREEN trainers undergo high quality training in teaching methods and our standardised course material before becoming accredited as GREEN trainers.

Practise off-grid PV system design with real case studies

Accreditation

The Solar Power Designer Off-grid 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.

Learn about the process from meeting a client, to quotation, and how to design

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Target Audience

PV professionals who want to focus on design of PV systems with energy storage:

- PV system designers and technical project managers
- PV technicians
- Electricians and electrical engineers with basic knowledge on PV technical and management principles
- Professionals looking for continuous training with minimum time expenditure
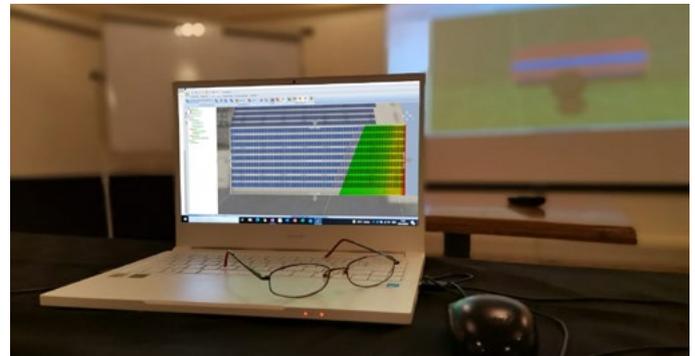
Prerequisites?

To participate in this course we recommend completing our Sunrise course or provide proof of sufficient pre-knowledge in the field of solar PV basics and off-grid PV systems. If you are unsure if you should participate, contact us.

Pricing

- The course costs ZAR 7,200.00
- 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

Upgrade your knowledge with this course

Main Topics

Day 1:
- Overview of off-grid PV systems
- Components of off-grid PV systems

Day 2:
- Client consultation,
- Site, shading and system analysis
- Case studies with site inspection, consultation, system sizing and quote preparation

Day 3:
- Case study focusing on calculation and preparation done completely by participant
- Commissioning and operation of an off-grid system
- Comparison of off-grid PV system solutions

Interested in the Designer off-grid course? Contact us!

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