GREEN Solar Academy

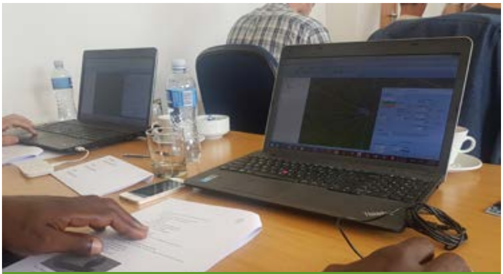
Africa's Premier Training Institute for Solar Power

Principles of PV Systems powered by DGS

Easy access to a great start in the PV industry

This affordable short online course allows you to get to grips with the basics of solar PV - no pre-knowledge required! Use this course to find out if a career in solar is for you; start laying a foundation and open the doors to also tackle more complex topics and calculations.

Also great for people who want to prepare for our on-site solar training like SuperSolarSchool.



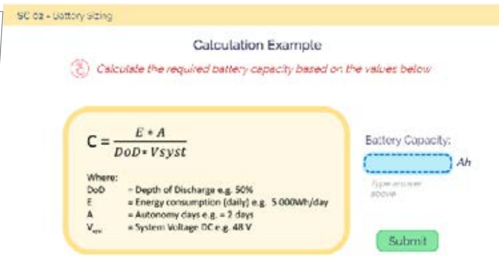
Access a wealth of solar knowledge from your own home

Our learning portal

Our eLearning platform offers high-quality remote learning that you work through at your own pace. Information is shown on the screen and a narrator gives additional input, like an online lecturer. Content includes videos, interactive exercises, learning guides and podcasts, quizzes that test your knowledge as you go along, and a final self-assessment.

Available in English and French.

Videos and podcasts make the course more practical



Learn using interactive activities & practical calculations

Videos and podcasts developed in collaboration with:

phocos Phaesun

Principles of PV Systems

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Target Audience

Everyone who is interested in diving into the world of solar photovoltaic:

- Newcomers without pre-knowledge
- Anyone considering a career change
- Technicians who want to take a first look at solar PV
- SuperSolarSchool or other course candidates who want to prepare

Find out if solar PV is for you and decide if you want to come on board with more online or live training later.

Pricing

- The course costs **R495 (ZAR)** per person.
- Register online to get your log-in details
- If you want to know more after the course, book a live training or continue with our other eLearning offerings.

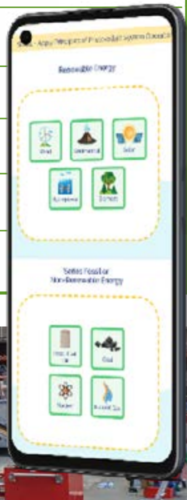
How it works

You will need a computer and internet connection. Approximate data useage is 1.5GB. To see how the eLearning works, have a look at our tutorial on YouTube. **Click here**.

Course overview

32 Notional Hours

Learning module	Summary
P01 Podcast: Renewable Energies	Outlines renewable energies, the different types available and the advantages and disadvantages of each.
W01 Renewable energy sources	What are the different sources, advantages and disdvantages of each and how renewable energy is used?
W02 Basics of PV Technology	What is solar photovoltaics? How is light converted to power and what can you do with soalr PV?
W03 Connections	What is voltage, amperage and resistance? What is a series or parallel connection, what is a string in a PV system?
W04 AC and DC appliances	What is DC & AC? What does DC & AC mean for electric appliances? When to use DC or AC?
W05 + W06 PV Components	What components make up a PV system? What does each component do in the system? What are loads?
W07 PV System Configurations	How are solar PV systems classified based on size? How are systems classified bsaed on use?
W08 Limitations of PV systems	What are the limitations of PV components, and how do they influence the yield of PV systems?
P02 Podcast: PV Off-grid System Components	Explore the concept of PV Off-grid systems and their components and how they interact with each other
M01 Final test	This final self-assessmsent will test you on everything you learnt during the course



Register Online: solar-training.org/eLearning

Options for offline use are available on request for large groups.

Contact Alex on +27 (0) 10 012 6552 or info@solar-training.org