

GREEN Solar Academy

Africa's Premier Training Institute for Solar Power



SuperSolarSchool Master the sun in 5 days



PVGreenCard™
Promoting safe quality Solar PV installations

* 5 CPD Points *

5-DAY INTERMEDIATE COURSE

The SuperSolarSchool is 5 days of training covering all important topics. In every session, we set a strong focus on practical application. You will learn about electrotechnical basics and functionality of PV systems, how to install systems correctly according to international standards and how to plan and manage a project and size the system including the battery pack according to the client's requirements.

Our unique approach

The approach for all training is to be as practical as possible. All courses place considerable emphasis on hands-on exercises to not only teach theoretical knowledge but also involve practical applications. The whole course is consciously put together considering important outcomes and appropriate and modern teaching methods and aims at a pleasant and long-lasting learning experience. To further increase the practical relevance we offer frequent exchange with the PV industry and keep in touch even after the course at our alumni networking meetings.



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 SuperSolarSchool is accredited by the German Solar Energy Society (DGS). You receive an internationally-recognised certificate of participation issued jointly by GREEN Solar Academy and DGS. It accumulates 5 CPD Points validated by SAIEE as per ECSA policy (South Africa) and is endorsed by the South African PV Industry Association (SAPVIA) as suitable training under the PV GreenCard programme. GREEN Solar Academy is a QCTO-accredited Skills Development Provider.



Exploring PV principles with experiments



Learning how to connect a PV inverter



Practical installation day

SuperSolarSchool

Master the sun in 5 days



Target Audience

Everyone who wants a flying start in solar photovoltaics.

Join us if you:

- Want to become a PV GreenCard installer
- Have pre-knowledge already and want to formalise it and fill gaps (electricians, engineers etc.)
- Want to found a solar business
- Want to start a (technical) job in the PV industry



Join our course and begin your PV journey

Pricing

- The course costs ZAR 13,500 (excl. VAT)
- 10% discount for Alumni
- 12% early bird discount for bookings 8 weeks before
- 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



Prerequisites?

Recommended NQF level 4 to participate. The course is open to anyone who wants to gain knowledge in solar PV. The pace is quite brisk, and we recommend a technical or electrical background. Certainly maths skills on matric level are needed (math literacy is not sufficient). To prepare for the course, watch some videos on PV basics on our [Youtube channel](#). Do our [self-evaluation test](#) test to see if you are ready.



Main Topics

- Basics of solar electricity (series, parallel connection, I-V-characteristic curve)
- Exercises with solar experimental kits
- PV system concepts (grid-tied, back-up, hybrid, offgrid)
- Components and protection elements
- Site survey and customer consultation
- Guided installation (practical exercise) of a complete system on a training roof, wiring and commissioning of inverter and battery bank
- Chronological overview of all the steps of a PV project implementation
- Sizing of PV plant components according to the client's consumption (exercise)
- Cost calculation and quote preparation
- Matching of components and cross-checks according to climate conditions
- Marketing and quality assurance for PV businesses

Interested in the SuperSolarSchool? Contact us!

Tsakani Mashila | Team Leader Sales

+27 (0)10 312 6724 | info@solar-training.org

