

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!

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PV Mounter

Hands-on training for PV installers



* 2 CPD Points *

2-DAY BASIC COURSE

Starting with nothing but a wiring chart and material list, we plan and execute a solar installation together, up to commissioning and testing of the system. This is a practical training with minimal time in the classroom and more time in the workshop to practice PV system installations. We'll be installing on different roof types using state-of-the-art equipment.

After the course, you'll be able to plan physical installations, mount PV systems on various roof types, know how to stay safe on site and handle components appropriately, how to plan and install the wiring of a PV system with storage and what it takes to build safe and long-lasting PV systems.

PV Mounter is a good choice if you've done our 5-day SuperSolarSchool and are looking for more practical training for yourself or your team. Team discounts are available.

Our trainers

GREEN's trainers undergo high quality training before we allow them to teach at any of our courses. Also, all have experience in the PV industry and the majority runs their own solar business for first-hand practical experience.

Accreditation

This course is accredited by the German Solar Energy Society (DGS). Certificate of participation issued jointly by GREEN Solar Academy and DGS. Accumulates 2 CPD Points validated by SAIEE as per ECSA policy (South Africa). GREEN Solar Academy is a QCTO-accredited Skills Development Provider.



Work practically with solar equipment



Learning how to connect a PV inverter



Understand commissioning of a PV system

PV Mounter

Hands-on training for PV installers



Target Audience

- New solar installers looking for practical experience
- Technicians and Electricians who need a crash course on solar installation
- SuperSolarSchool alumni who want a refresher on PV installation and commissioning
- Installation teams who need fast and efficient practical training and at an affordable price

Pricing

- The course costs ZAR 4,900 (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?

This course is completely hands-on. Anyone who is interested can join the course - a qualification as an electrician is not required. For theoretical basics and knowledge on PV system components, design, and planning, please book the SuperSolarSchool.

To prepare for the course, you can watch some videos on PV basics [here](#). If you are unsure if you should participate, contact us.



Join our course and begin your PV journey



Main Topics

The course focuses on how to stay safe on the roof and how to install PV systems correctly. Topics are:

- Planning an installation based on wiring charts and material lists
- Preparing the site, tools and equipment
- Dos & Don'ts on site
- On-site safety
- Hands-on PV installation on different roof types
- Wiring of PV Systems
- Commissioning and programming of inverters (different manufacturers)

Interested in the PV Mounter? Contact us!

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The SAPVIA PV GreenCard Programme Frequently Asked Questions

Discover what the SAPVIA (South African PV Industry Association) PV GreenCard is and how to get the qualification:



PVGreenCard

Promoting safe quality Solar PV installations

What is the PV GreenCard Programme?

The PV GreenCard programme is an industry-led quality assurance, skills development and business support program to ensure a high standard of quality for small-scale solar PV installations.

What is a PV GreenCard? A PV GreenCard is an as-built report on a solar installation. It is not a physical card you keep in your wallet.

Who may issue a PV GreenCard? Certified PV GreenCard Installation Companies, which are registered on the PV GreenCard portal, may issue a PV GreenCard.



Who can register on the SAPVIA PV GreenCard website? Certified PV GreenCard Installation Companies can register on the website. A Certified PV GreenCard Installation Company is registered as an electrical contractor with the DoEL and employs an assessed PV GreenCard Installer.

How do you become an assessed PV GreenCard installer? Register for the assessment at an accredited Assessment Centre, like GREEN Solar Academy, and pass to receive your SAPVIA Certificate. Training before is recommended.

24_03_01. T&Cs apply.

What is the PV GreenCard Assessment? It is a 2-day on-site competency assessment for PV Installers, which includes practical and theoretical aspects.

Who can undertake the PV GreenCard assessment? All suitably-trained and knowledgeable PV installers can attempt this competency assessment.



Who issues your Certificate of Approval if you pass the PV GreenCard assessment? SAPVIA will issue the certificate. The certificate bears the name of the individual who passed the assessment (not the company name).

Who can issue the CoC that forms part of a PV GreenCard Report? Only a DoEL-registered installation electrician may issue the CoC.



How to become a PV GreenCard Installer

Where to start and what you need to do



Step 1: Assess your skill level

The PV GreenCard Assessment is an industry competency test. You need to have a certain skill level to pass. Have a look at the SAPVIA installer guidelines to get a feeling for the kind of knowledge required: pvgreencard.co.za

Step 2: Get the right training

To prepare for the assessment, attend our 5-day SuperSolarSchool, which is endorsed by SAPVIA as suitable PV GreenCard training. Choose between our academies in **Cape Town, Jo'burg, Gqeberha, Ballito & Pretoria.**

Step 3: Do the PV Assessment

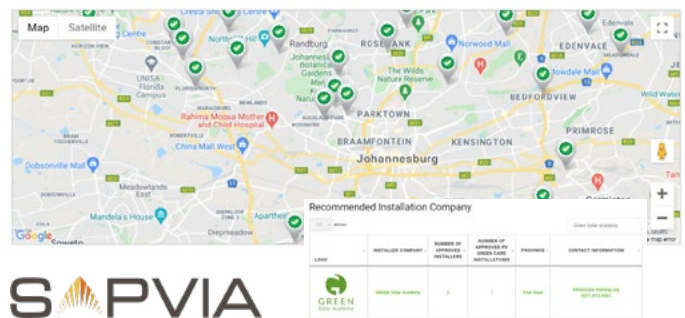
[Sign up](#) to do the assessment at one of our registered assessment centres. **The cost is R5 900 ex VAT** and the event takes place over 2 days. **Day 1 is the theory exam** (8am to 3pm) and **Day 2 is the practical exam** (8am to 1pm) where you will be placed in groups and tasked with completing an installation on a mock roof. The PV GreenCard Assessment is available at these locations:

- GREEN Solar Academy **Johannesburg**
- GREEN Solar Academy **Cape Town**
- GREEN Solar Academy **Ballito**

Book Online
www.solar-training.org

Step 4: Get registered

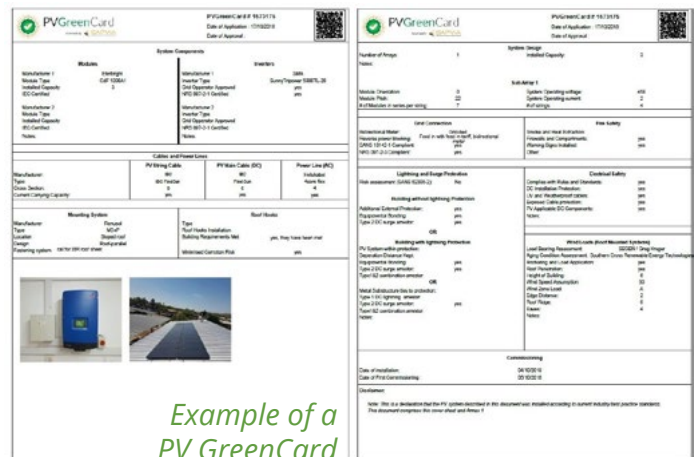
Upon successful completion of your assessment, you can register your company on pvgreencard.co.za for an annual fee, given that you are an Electrical Contractor.



Step 5: Issue PV GreenCards

Upload the relevant project information to the SAPVIA online portal and use your company's login to issue a new PV GreenCard for the project.

Remember: Both a registered electrician and an assessed PV GreenCard installer need to sign off on the PV GreenCard together. This may be the same person or two different people employed by the same company. Of course, this doesn't replace the official CoC!



Example of a PV GreenCard

Partners:



Do you still have questions? Contact us!

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