

GREEN Solar Academy

Africa's Premier Training Institute for Solar Power

Solar Installer Turbo

Solar Training & PV GreenCard Assessment in one week

This 5-day package is designed for experienced installers who are preparing to undertake the SAPVIA PV GreenCard Assessment. For the first 3 days, you'll cover essential solar theory, ensuring you're up to date with the latest standards and working according to the manual. The final 2 days are dedicated to the assessment.

Who should sign up for this course?

The PV GreenCard Assessment is a **competency test for PV installers.** Participants should:

- Have a technical background and PV installation experience
- Be familiar with the SAPVIA Solar PV Installation guidelines and with national electrical codes, building codes and regulations relevant for PV installations

Schedule

Day 1 & 2: Preparation for Theoretical Assessment

- PV basics, terminology
- Electrical basics (symbols, Ohms law, power, energy)
- PV components and operation, system types
- Site visits – important considerations, planning
- PV Design basics
- Installation planning
- Compliant installation (SANS 10142 regulations, inspection and testing)

Day 3: Preparation for Practical Assessment

- Safety: Toolbox talk and risk assessment
- Installation planning & best practices
- Earth bonding
- Reading and preparing single line and wiring diagrams
- Inverter and protection wiring according to SANS 10142-1
- PV system inspection testing

Day 4: Theoretical Assessment

- Introduction & Explanation of Assessment Process
- Theoretical Assessment (exam in the classroom)
- Familiarisation workshop and induction

Day 5: Practical Assessment

- Random selection of installation teams (up to 5 members per team)
- Practical examination on installation and wiring of a grid-tied PV system on assessment roofs

Pricing

- The training & assessment together cost ZAR 13,500 (excl. VAT)
- 10% discount for Alumni
- Payment must be made 2 weeks before the start of the course
- Including lunch, coffee breaks, exercise handouts, certificate fees

Book online

25_05_09 T&Cs apply

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 Green-Card 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 Green-Card 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.

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.



