

SAPVIA PV GreenCard Installers

Course Duration: 4 days of theoretical training | 1 days of practical training

Accreditation: 4.5 ECSA CPD | 7.2 AEE Renewal Credits

A SAPVIA PVGREENCARD Installer liaises with clients, conducts site visits, obtains and analyses data, designs or customises or compiles a PV system, selects the appropriate components, installs, commissions and tests a PV system for functionality.

The Solar Training Centre (STC) and the Southern African Energy Efficiency Confederation's (SAEEC) Training Interest Group, presents the SAPVIA PVGREENCARD Installers theoretical and practical training in various regions across Africa.

Over the six days candidates will be familiarized with the fundamental principles such as solar irradiation, annual yield, effects of shading etc, and typical components of solar PV systems such as PV panels, inverters, batteries, mounting structures etc, followed by the design and system integration and practical installation and commissioning of systems by using a small scale solar set-up at the training venue.

The PVGREENCARD is an industry led quality label that is inclusive in nature and becomes the key to ensure a high standard of quality for small-scale Solar PV installations. The PVGREENCARD is set to become a national, standardised hand-over or "as built" report for roof-top PV installations, aimed at improving the safety and quality of installations. It will provide comprehensive documentation of the PV system including information on used components and personal data of the owner, and will be a voluntary service from the installer which will serve as a guideline to both the installer and the customer on how to secure a high standard of PV system operation.

PVGREENCARD Assessment

PVGREENCARD Assessment Centres provide independent review of installer competence for delegates trained through the SAEEC program. Delegates need to book and pay for their assessment directly with the available Assessment Centre.

Course outcomes:

At the end of the training the candidates should be able to:

- Explain the basics of electricity related to PV
- Appreciate various applications of solar PV
- Describe the different configurations for module Interconnection
- Apply for PVGREENCARD Assessment to become an SAPVIA endorsed installer
- Plan and prepare for PV system installation
- Install mechanical components of Solar PV Systems
- Install electrical components of Solar PV Systems
- Maintain, test and replace PV panel components

Profile of attendee:

- Electricians,
- Engineers,
- PV solar beginners,
- Technicians,
- Students studying towards a technical qualification, etc

Cost:

Class-room based training: R11,920-00* ex VAT

Virtual training: R10,000* ex VAT

*Complimentary SAEEC Membership for 12 months

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