

Solar 101

Understand the fundamentals before taking your next step in PV

Solar 101 is a two-day basic course for anyone new to the solar industry who wants to understand how solar works, without getting lost in complicated calculations or technical jargon. No technical background is needed.

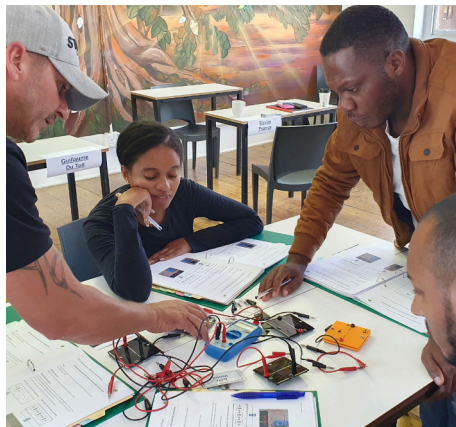
Build a solid foundation

You'll learn the fundamentals of solar electricity, how different PV systems work, and the function, quality and selection criteria of the components that make up a system.

We also introduce the basics of system planning, installation, operation and maintenance, as well as the business and regulatory environment around solar PV in South Africa.

Learn to:

- Understand how solar electricity works
- Distinguish between on-grid, off-grid and hybrid PV systems
- Identify key PV components and their functions
- Understand installation, operation and maintenance fundamentals
- Navigate basic regulations and grid connection requirements
- Assess basic feasibility of a PV system



Find your place in the solar industry

The course gives you the technical language and understanding to talk about solar confidently, whether you're helping customers, supporting a technical team, working in solar sales or exploring a career in the industry.

Solar 101 helps you see where a career in PV could take you and provides a foundation for your next steps - from installation and technical work to sales, consulting or project management.

Accreditation

GREEN Solar Academy is the recipient of the 2025 **SAPVIA Award for Empowerment Through Skills Development** and a QCTO-accredited Skills Development Provider. You receive an internationally-recognised certificate of participation issued jointly by GREEN and DGS (the German Solar Energy Society).



Target Audience

- Sales, admin, and customer-facing staff at solar companies
- People considering a career in solar who want to understand the landscape first
- Managers and decision-makers who need a working knowledge of solar without the technical deep-dive
- Recent school leavers and youth exploring opportunities in the energy sector
- Anyone who wants to understand solar before committing to a full training path

Prerequisites

This course has no prerequisites. No technical background, no prior experience. If you're curious about solar, you're ready for Solar 101.

Bookings

- **Discounts for groups of 3 or more** for training at one of our branches
- Payment must be made 2 weeks before the start of the course
- Including light lunch, coffee breaks and exercise handouts

Book online at solar-training.org

[T&Cs](#) apply

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 run their own solar business for first-hand practical experience.

Get certified as a GREEN PV Mounter

Add practical hands-on training with the 2-day PV Mounter course followed by the GREEN PV Mounter exam to earn your **GREEN PV Mounter Certification**.



Prefer learning at your own pace?

Consider our eLearning. In our PV Off-Grid Technician online course you learn all the basics, too, without the travelling. [Click here >>](#)



Interested in booking for your team? Contact us:

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