

PV System Operation and Maintenance

Learn to carry out inspections, simple corrective maintenance and online monitoring

This course is ideal for individuals seeking to perform routine maintenance on solar PV systems ranging from 20 kW to 1 MW.

Tasks and standards

We will practice correct maintenance on real-life PV systems in our workshop. We will conduct visual inspections of mechanical components, cleaning panels and inverters according to the book (and IEC 62446-2 standards) and safely applying corrective measures with proper documentation.

Outcomes

After completing the course, participants will be able to execute maintenance schedules, perform visual inspections, interpret monitoring data, carry out routine corrective maintenance, complete maintenance logbooks, and identify when specialist intervention is required.

Takehome toolkit

To support implementation in practice, we share useful tools such as checklists and maintenance schedules.



Practice maintenance on real-life PV systems

Our Trainers

All GREEN trainers are active solar practitioners who can share knowledge backed by practical experience. Before becoming accredited as GREEN trainers, they undergo training of trainers themselves to ensure they facilitate learning rather than simply sharing facts. Our team currently consists of over 20 trainers covering all skill levels.

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

- Facilities managers / caretakers of premises with solar systems e.g. malls and solar-covered parking lots
- Solar Installers
- Maintenance Technicians
- Electricians working with solar Installations

Bookings

- **Discounts for groups of 5 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, exercise handouts, certificate fees

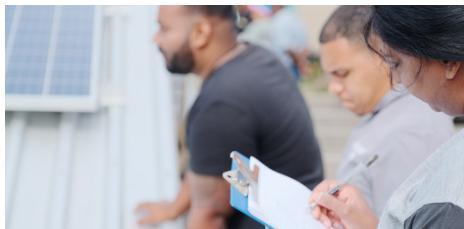
Book online at solar-training.org

[T&Cs](#) apply

Prerequisites

This course is mostly hands-on. Anyone who is interested can join the course - a qualification as an electrician is not required.

Electricians or staff with technical experience on solar PV systems however have an advantage and will be able to practice more of the advanced maintenance and repair tasks during the practical exercises.



Includes checklists & maintenance schedules

Learn to:

- Keep PV systems operating at optimal performance
- Spot problems early before they become failures
- Carry out routine maintenance with confidence
- Know exactly when to hand over to qualified personnel
- Document work correctly to protect the asset - and yourself



Interested in booking for your team? Contact us:

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