

Solar Installation Training topics from basic concepts to advanced

- Learn basics of electricity (Voltage, Current, Resistance, Power)
- Learn types of Inverters (Grid-Tied, Off-Grid, Hybrid)
- learn Inverter Components and Specifications
- learn how to calculate size/capacity of Inverter,solar panels,load and batteries.
- Learn how to read or draw electrical wiring diagram/drawing.
- Understanding Data Sheets and manuals
- learn how to calculate ,design a full solar system and install it.
- Understand solar panels types monocrystalline, polycrystalline, and thin-film solar panels (advantages of each type).

- Hands-On Practical Sessions installations
- Designing, components selection and complying with SANS
- Practical mounting and installing a solar system
- Practical wire AC & DC using SLD diagrams
- Wire AC/DC combiner box , changeover,Separation of essential and non essentials.
- Practical programming and configuring the Inverter (grid settings, battery integration, voltage, current, anti-islanding, operation mode, etc).
- Testing the Inverter and System Performance
- Practical do Commissioning, Monitoring, and data logging tools for performance analysis.
- Practical battery Integration such as comms paralleling them.
- Practical simulate common problems & problem-solving exercises.

Training For Beginners

Target Group:

Anyone interested in getting solar knowledge and practical skills or becoming a PV solar system installer

Details

Course fee: 4 days R2000,00 ex VAT

Venue: Roodepoort.

Days: Weekends only (Saturday & Sunday/ during week by request).

Content: 60% hands-on and 40% theory.

On completion you get

- A certificate of attendance will be awarded
- A soft copy of SANS regulations affecting solar system installations
- Training module soft copy
- A Soft copy of the recommended PV installation earthing network (diagram).

Advanced Training

Target Group:

- Solar installers
- Electricians / millwright
- PVGreen card holders
- Engineers
- Electrical/Solar assistants
- Anyone with basic knowledge of electrical or Solar

Details

Course fee: 2 days R1100,00 ex VAT

Venue: Roodepoort.

Days: Weekends only (Saturday & Sunday/ during week by request).

Content: 90% hands on and 20% theory.

On completion you get

- A certificate of attendance will be awarded
- A soft copy of SANS regulations affecting solar system installations
- Training module soft copy
- A Soft copy of the recommended PV installation earthing network (diagram).

FOOD: Tea and lunch will be provided.

Please Contact us for booking and payment details

Whatsapp link below

Facilitator Experience & Qualification


Qualifications

- Bachelor of Electrical Engineering Technology
- GCC factories (Government Certified Engineer)
- Wireman's license registered
- PV Green Card
- Professional Engineer -ECSA registered
- Higher National Diploma
- Diploma Information Technology
- Diploma Vocational & Technical training Education
- Red seal Electrical Trade Test
- Diploma Electrical Engineering

Experience

- 6 years as Installer, design engineer, SSEG sign offs, COC inspections in solar industrial, commercial and residential.
- 14 year as Electrician and Engineer In construction and manufacturing industry.
- 4 years as Electrical lecture at TVET college.

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 08:00-1700

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