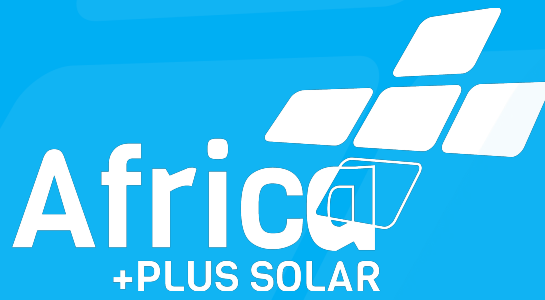




TRAINING DEPARTMENT



TRAIN • SKILLS • FUTURE

PROSPECTUS

EMPOWERING YOUR SKILLS FOR
A BRIGHTER FUTURE

ABOUT US

African Plus Solar proudly provides QCTO-accredited qualifications in Electrical and Solar Photovoltaic (PV) fields. We are committed to exceeding customer expectations by delivering innovative, distinctive, and industry-relevant training through a variety of pathways.

- Learnerships
- QCTO Certified Skills programs and
- Non-Credit bearing short courses

SAQA ID / OFO CODE	OCCUPATIONAL QUALIFICATIONS	LEVEL
99447	Occupational Certificate: Solar Photovoltaic (PV) Service Technician	05
120863	Higher Occupational Certificate: Solar Photovoltaic (PV) Standalone	05
120883	Occupational Certificate: Solar Photovoltaic (PV) Standalone Systems Installer	04
120885	Occupational Certificate: Solar Photovoltaic (PV) Standalone System Mounter	04
91761	Occupational Certificate: Electrician	04
SP-210602	Occupational Skills Program: Renewable Energy Workshop Assistant	04



VISION

Pioneering the transformation of lives through exceptional in-demand, workplace-relevant occupations targeting youth, woman and graduates in the solar driven provinces .

MISSION

To offer state-of-the-art, well-equipped facilities that foster holistic skills development, ensuring our learners are globally competitive.

OUR VALUES

Relevance, Innovation, Sustainability, Equity for the disadvantage and Transformation.

HIGHER OCCUPATIONAL CERTIFICATE:

SOLAR PHOTOVOLTAIC (PV) STANDALONE SERVICE TECHNICIAN

SAQA QUALIFICATION ID: 120863

CREDITS: 133

PURPOSE:

A Solar Photovoltaic (PV) Standalone Service Technician ensures the safe and efficient maintenance and service of stand-alone PV system installations. These installations would include domestic roof-top installations and various other off grid installations across a range of urban and rural sites.

A QUALIFIED LEARNER WILL BE ABLE TO:

Develop planned maintenance schedules for Standalone PV installations.
Maintain, test, repair and replace

- inverters and transformers.
- cables, cable inter-connections, smart boxes,
- PV junction/string boxes, string diodes, connectors, fuses, switch gears
- control gears and repair switch gears and control gears.
- batteries and charge controllers and repair charge controllers

ENTRY REQUIREMENTS:

NQF Level 4 qualification with Mathematics



OCCUPATIONAL CERTIFICATE:

SOLAR PHOTOVOLTAIC (PV) SERVICE TECHNICIAN

SAQA QUALIFICATION ID: NQF5 99447

CREDITS: 344

PURPOSE:

A Solar Photovoltaic (PV) Service Technician conducts maintenance on PV systems in accordance with Department of Energy regulations. Responsibilities include isolating systems, troubleshooting issues, identifying deficiencies, analyzing data, and executing repairs while providing effective solutions to a variety of challenges.

A SOLAR PHOTOVOLTAIC SERVICE TECHNICIAN MAY BE EMPLOYED EITHER AS A

- Photovoltaic (PV) Service Technician (PV Farm)
- Photovoltaic (PV) Service Technician (Standalone Installation).

ENTRY REQUIREMENTS:

- NQF Level 4 qualification with Mathematics



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NATIONAL OCCUPATIONAL CERTIFICATE:

SOLAR PHOTOVOLTAIC (PV) STANDALONE SYSTEMS INSTALLER

SAQA QUALIFICATION ID: NQF5 120883

CREDITS: 211

PURPOSE:

As a Solar PV Standalone System Installer, you will design and install photovoltaic systems tailored to client specifications, ensuring compliance with regulatory and quality standards. You will also optimize system setup and perform routine inspections and maintenance, guaranteeing efficient conversion of sunlight into energy.

ON SUCCESSFUL COMPLETION, THE LEARNER WILL BE ABLE TO:

- Use applicable knowledge to plan and prepare for PV system installation.
- Use applicable to plan and prepare for PV system installation.
- Demonstrate the installation of electrical components of solar PV system (stand-alone).
- Maintain, test and replace PV panels components

ENTRY REQUIREMENTS:

- NQF Level 3 qualification with Mathematics

OCCUPATIONAL CERTIFICATE:

SOLAR PHOTOVOLTAIC (PV) STANDALONE SYSTEM MOUNTER

SAQA QUALIFICATION ID: 120885

CREDITS: 84

PURPOSE:

The aim of this part-qualification is to equip learners to function as Solar Photovoltaic (PV) Standalone System Mounting Technicians. In this role, they collaborate with a team of installers, taking responsibility for the accurate, secure, and safe mounting of pre-designed standalone PV systems at various sites. This work is performed following detailed instructions and under proper supervision.

QUALIFIED LEARNER WILL BE ABLE TO:

- Inspect and ensure safety of installation work sites.
- Read and interpret assembly and mounting instructions and diagrams.
- Appropriately use hand tools to mount the PV systems.
- Inspect and report on completed mounting work.

ENTRY REQUIREMENTS:

- NQF Level 3 qualification with Mathematics



OCCUPATIONAL CERTIFICATE:

ELECTRICIAN

SAQA QUALIFICATION ID: 91761

CREDITS: 360

PURPOSE:

The purpose of this qualification is to prepare a learner to operate as an Electrician. Electricians plan, prepare install, test, connect, commission, maintain, alter and repair electrical equipment, wiring and control systems and apply the knowledge and skills obtained, in a variety of contexts.

A QUALIFIED LEARNER WILL BE ABLE TO:

- Plan and prepare work site, equipment, tools, consumables and materials for electrical activities and operations.
- Install wire and connect electrical equipment and control systems.
- Test and inspect electrical equipment, control systems and installations. Commission control systems and installations.
- Maintain and repair electrical equipment, control systems and installations.

ENTRY REQUIREMENTS:

- NQF Level 1 qualification with Mathematics and Science.



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OCCUPATIONAL SKILLS PROGRAMME:

RENEWABLE ENERGY WORKSHOP ASSISTANT

SAQA QUALIFICATION ID: SP-210602

CREDITS: 24

PURPOSE:

The purpose of this skills program is to prepare a learner to operate as a Renewable Energy Workshop Assistant. A Renewable Energy Workshop Assistant plans, prepares and assists service technicians with installation, maintenance and component assembly for Renewable Energy processes, systems, facilities and equipment.

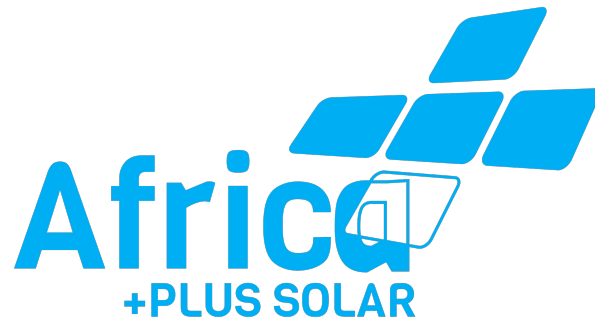
A QUALIFIED LEARNER WILL BE ABLE TO:

- Identify, select, use, care for hand, power and measuring tools and testing instruments used by Renewable Energy
- Service Technicians, Installers and Mounters, within a renewable energy installation and maintenance environment.

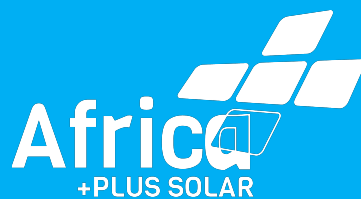
ENTRY REQUIREMENTS:

- NQF Level 1 qualification





TRAIN SKILLS FUTURE



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