
POWER AFRICA
Alternative Energy & Lifestyle Solutions
WELCOME

ABOUT US

Power Africa provides RELIABLE SOLAR and other alternative energy solutions in South Africa. The business is in existence for over 15 years and have 8 successful branches across South Africa.

With electricity prices constantly on the rise and load shedding here to stay, for now, many homeowners are now looking beyond the quick fixes of generators for long-term ways to beat our energy crisis.

Solar energy is the most renewable energy source we have... and it's FREE



MISSION

Drastically cut consumption of Eskom power to lower carbon footprint. Help our customers to generate their own power independently.



VISION

To be known as a reliable service provider in the energy saving and renewable energy industry in Southern Africa.

ADVANTAGES OF SOLAR



RENEWABLE ENERGY SOURCE

Among the many advantages of solar panels, the most important is that solar energy is a truly renewable source of energy. It can be used in any part of the world, and it is available every day. We cannot run out of solar energy, unlike some of the other sources of energy.

REDUCE ELECTRICITY BILLS

Your energy expenses will decrease since you will be able to fulfil some of your energy needs with the electricity generated by your solar system. The amount you save on your bill is determined by the size of your solar system and the amount of electricity or heat you use.

DIVERSE APPLICATIONS

Solar energy can be used to generate electricity in areas where there is no access to the grid and even to distil water in areas where clean water is scarce.

ADVANTAGES OF SOLAR



LOW MAINTENANCE COSTS

Cleaning your solar panels a couple of times a year would suffice. Also, as there are no moving parts, there is no wear and tear. The inverter is usually the only part that needs to be changed after 5-10 years. Apart from the inverter, the cables also need maintenance to ensure your solar power system runs at maximum efficiency.

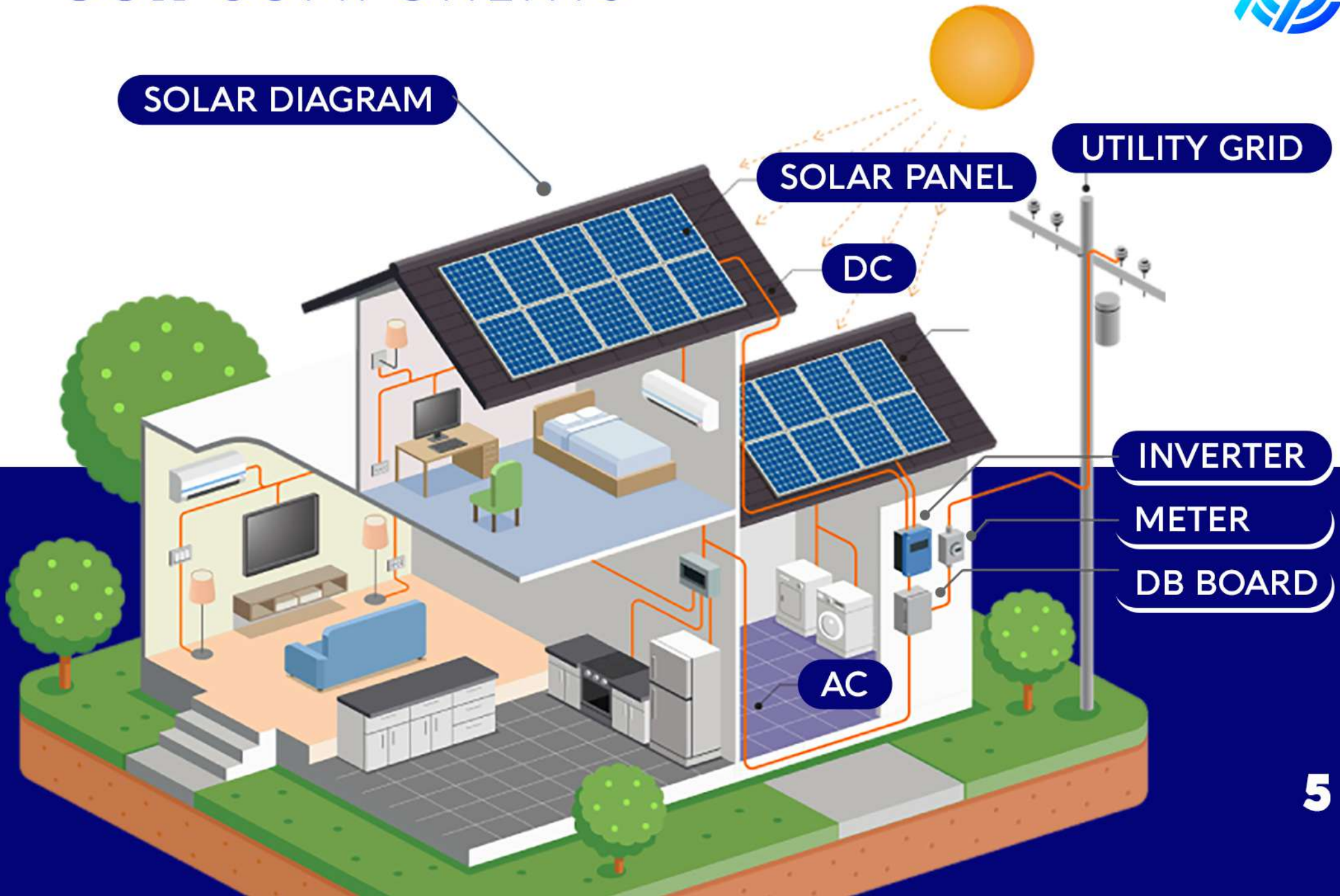
TECHNOLOGY DEVELOPMENT

The solar power industry's technology is always developing, and this tendency will continue in the future. Quantum physics and nanotechnology innovations have the potential to improve the efficiency of solar panels.

INCREASE PROPERTY VALUE

Solar panels have so many benefits for homeowners, installing them on your property will increase its value. Houses that have solar panels will be more valuable than those that do not. This is because one home will be highly dependent on the grid whereas the other will be generating its own energy.

OUR COMPONENTS



OUR COMPONENTS



SOLAR PANELS

The solar panels generates the power that feeds to your solar system



INVERTER

The inverter sends the power generated by the solar panels to your DB Board



POWERBANK

The battery bank stores power for use during the night and cloudy weather conditions



MONITORING

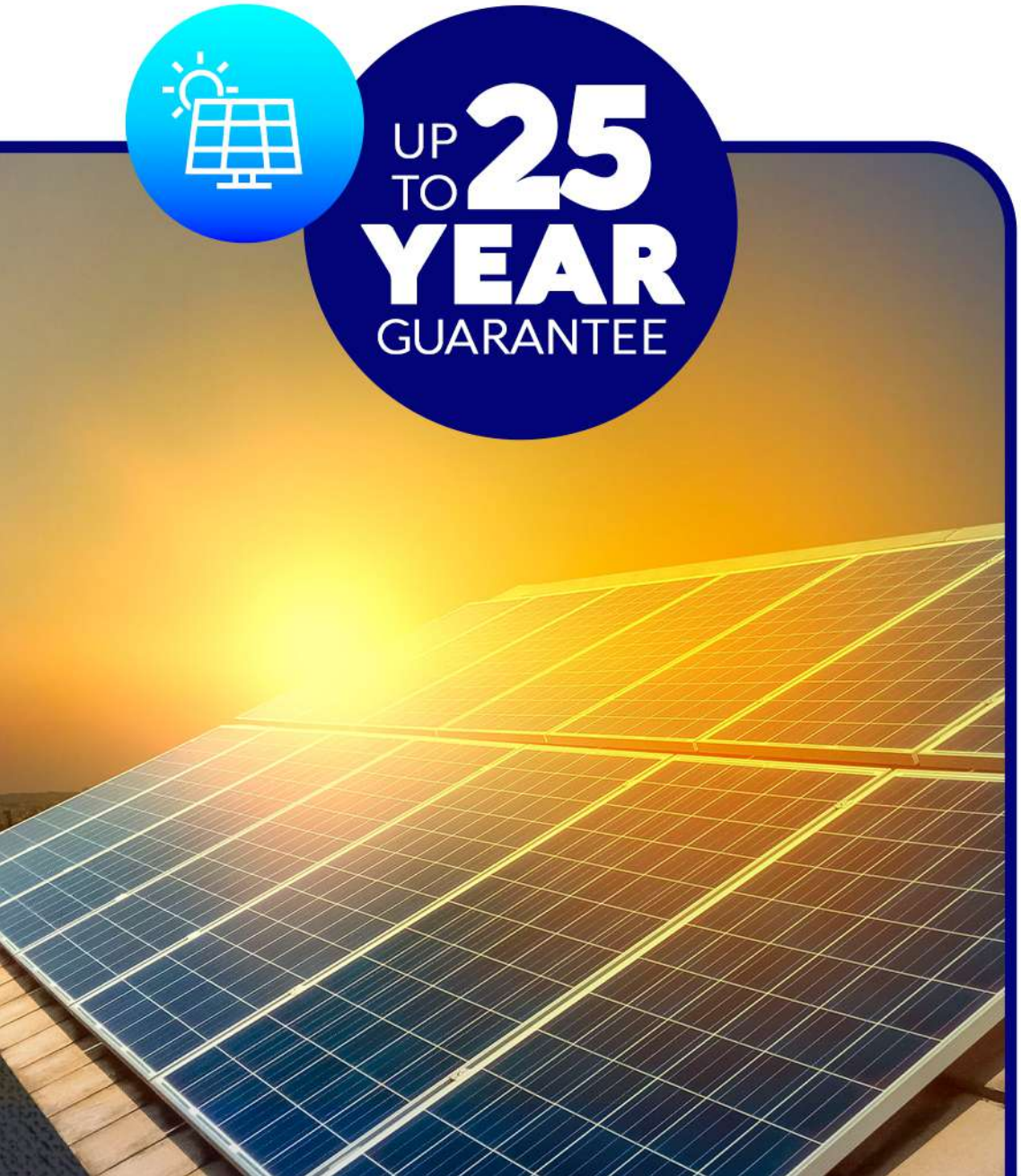
This device monitors your power generation and usage. Data is saved to your computer



DB BOARD

The solar panel will be connected directly to the existing distribution board

PV SOLAR PANELS



Photovoltaic (PV) system

A complete set of components for converting sunlight into electricity by the photovoltaic process, including the array and balance of system components.

Brands We Trust:

CanadianSolar
MAKE THE DIFFERENCE

JA SOLAR

KODAK

THE INVERTERS



The inverter system

It's a device that converts direct current (DC) electricity, which is what a solar panel generates, to alternating current (AC) electricity, which the electrical grid uses.

Brands We Trust:

LUXPOWER TEK

Deye RCT Mustek LIMITED

MECER solis

OUR POWERBANKS



Lithium-ion Batteries

Lithium-ion batteries work through a chemical reaction that stores chemical energy before converting it to electrical energy.

Brands We Trust:

HUBBLE LITHIUM BATTERY

shoto

REVOV REVOLUTION IN ENERGY RELIABILITY 2ND LIFE

MONITORING SYSTEM

24/7 SUPPORT LINE



EFFICIENCY GUARANTEED

- Wireless display of power used
- See how much power you are using from anywhere in the house
- Live update every 6 seconds
- Know how much power each appliance, light, ect. uses
- Data is downloadable

DISTRIBUTION BOARD



EFFICIENCY GUARANTEED

- The solar system is integrated into the distribution board and sends the generated energy through your home
- Change over switch is installed next to the distribution board in order to switch from the system to regular power

CERTIFICATES



CENTURION
Campus • Kampus

Certificate

Awarded to

G. Benigno

COURSE SUCCESSFULLY COMPLETED

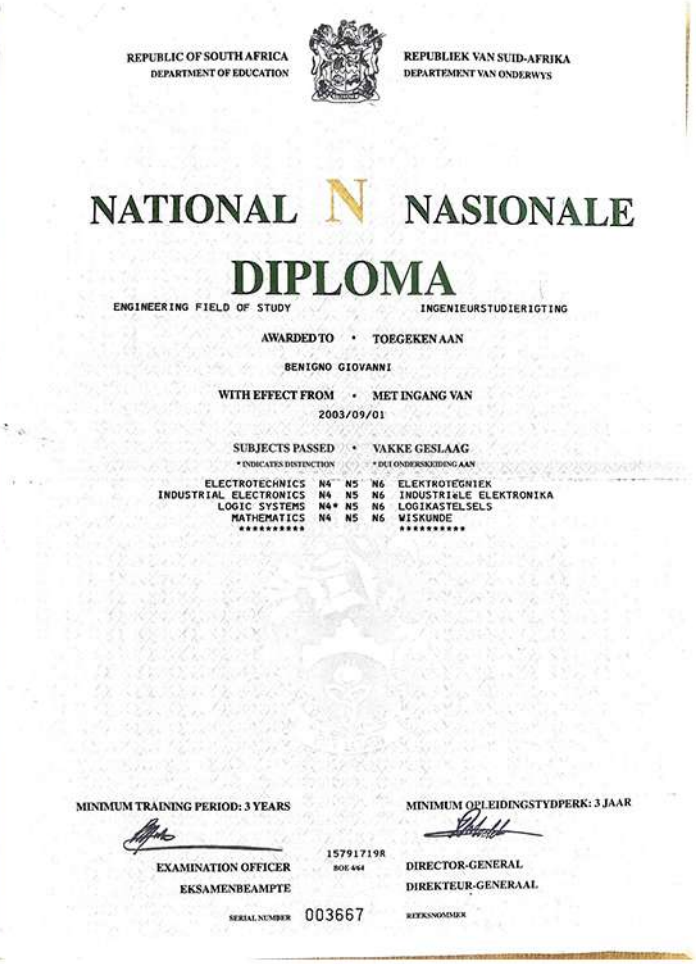
ELECTRICAL 2

FROM: 30-04-2002 TO: 24-07-2002

MEMBER: TSWANE SOUTH FET! COUNCIL

HEAD: CENTURION CAMPUS

24-07-2002



REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF EDUCATION

REPUBLIEK VAN SUID-AFRIKA
DEPARTEMENT VAN ONDERWYS

NATIONAL N NASIONALE

DIPLOMA

ENGINEERING FIELD OF STUDY — INGENIEURSTUDIERIGTING

AWARDED TO • TOEGEKEN AAN

BENIGNO GIOVANNI

WITH EFFECT FROM • MET INGANG VAN

2003/09/01

SUBJECTS PASSED • VAKKE GESLAAG

* INDICATES DISTINCTION — * DUI ONDERSKEIDING AAN

ELECTROTECHNICS	N4	N5	N6	ELEKTROTEGNIEK
INDUSTRIAL ELECTRONICS	N4	N5	N6	INDUSTRIeLE ELEKTRONIKA
LOGIC SYSTEMS	N4*	N5	N6	LOGIKASTELSELS
MATHEMATICS	N4	N5	N6	WISKUNDE
**********				**********

MINIMUM TRAINING PERIOD: 3 YEARS

MINIMUM OPLEIDINGSTYDPERK: 3 JAAR

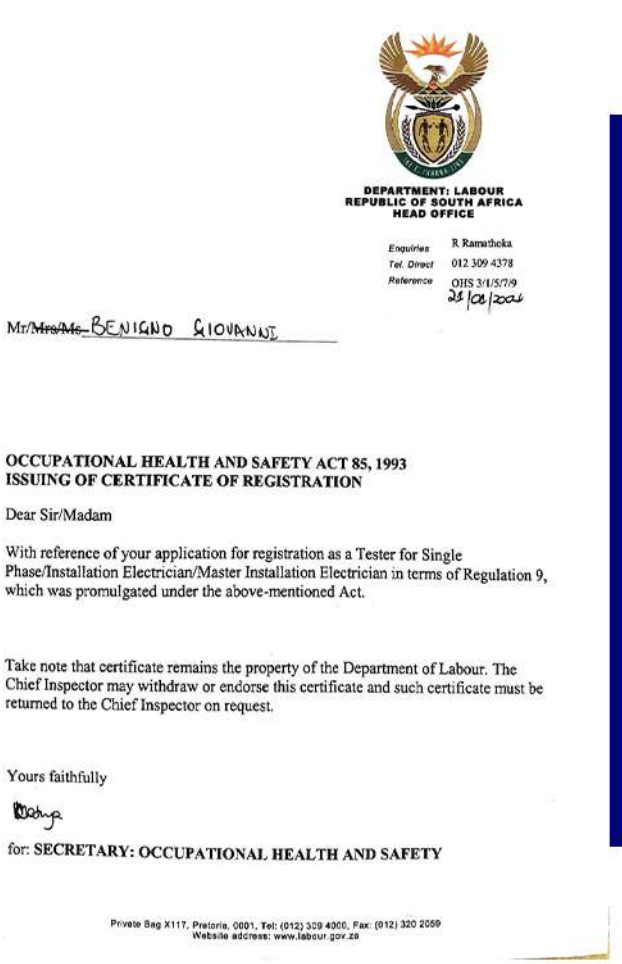
EXAMINATION OFFICER
EKSAMENBEAMPTE

15791719R
BOE 464

DIRECTOR-GENERAL
DIREKTEUR-GENERAAL

SERIAL NUMBER 003667

REEKSNOMMER



DEPARTMENT: LABOUR
REPUBLIC OF SOUTH AFRICA
HEAD OFFICE

Enquiries R Ramatheka
Tel. Direct 012 309 4378
Reference OHS 3/1/5/7/9
28/08/2003

Mr/~~Mrs/Ms~~ BENIGNO GIOVANNI

OCCUPATIONAL HEALTH AND SAFETY ACT 85, 1993
ISSUING OF CERTIFICATE OF REGISTRATION

Dear Sir/Madam

With reference of your application for registration as a Tester for Single Phase/Installation Electrician/Master Installation Electrician in terms of Regulation 9, which was promulgated under the above-mentioned Act.

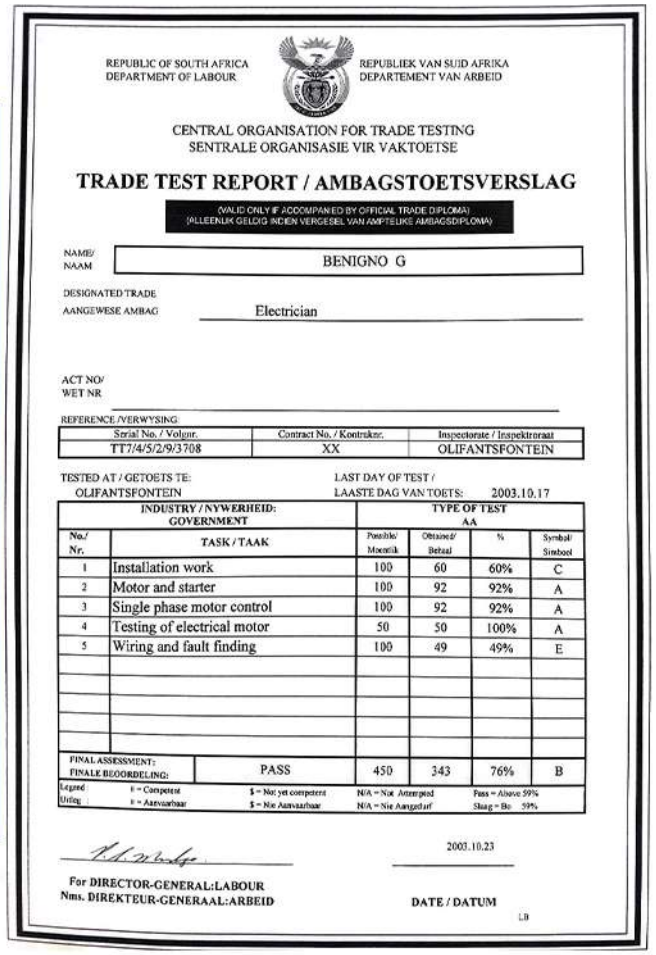
Take note that certificate remains the property of the Department of Labour. The Chief Inspector may withdraw or endorse this certificate and such certificate must be returned to the Chief Inspector on request.

Yours faithfully

for: **SECRETARY: OCCUPATIONAL HEALTH AND SAFETY**

Private Bag X117, Pretoria, 0001, Tel: (012) 309 4000, Fax: (012) 320 2059
Website address: www.labour.gov.za

CERTIFICATES



REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF LABOUR

REPUBLIEK VAN SUID AFRIKA
DEPARTEMENT VAN ARBEID

CENTRAL ORGANISATION FOR TRADE TESTING
SENTRALE ORGANISASIE VIR VAKTOETSE

TRADE TEST REPORT / AMBAGSTOETSVERSLAG

(VALID ONLY IF ACCOMPANIED BY OFFICIAL TRADE DIPLOMA)
(ALLEENLIK GELDIG INDIEN VERGESEL VAN AMPTELIKE AMBAGSDIPLOMA)

NAME/ NAAM: BENIGNO G

DESIGNATED TRADE / AANGEWESE AMBAG: Electrician

ACT NO/ WET NR:

REFERENCE /VERWYSING:

Serial No. / Volgnr.	Contract No. / Kontraknr.	Inspectorate / Inspektoraat
TT7/4/5/2/9/3708	XX	OLIFANTSFONTEIN

TESTED AT / GETOETS TE: OLIFANTSFONTEIN

LAST DAY OF TEST / LAASTE DAG VAN TOETS: 2003.10.17

INDUSTRY / NYWERHEID: GOVERNMENT		TYPE OF TEST AA			
No./ Nr.	TASK / TAAK	Possible/ Moontlik	Obtained/ Behaal	%	Symbol/ Simbool
1	Installation work	100	60	60%	C
2	Motor and starter	100	92	92%	A
3	Single phase motor control	100	92	92%	A
4	Testing of electrical motor	50	50	100%	A
5	Wiring and fault finding	100	49	49%	E
FINAL ASSESSMENT: FINALE BEOORDELING:	PASS	450	343	76%	B

Legend/ Uitleg: C = Competent / K = Aanvaarbaar; S = Not yet competent / S = Nie Aanvaarbaar; N/A = Not Attempted / N/A = Nie Aangedurf; Pass = Above 59% / Slaag = Bo 59%

2003.10.23

For DIRECTOR-GENERAL:LABOUR
Nms. DIREKTEUR-GENERAAL:ARBEID

DATE / DATUM

LB



REPUBLIEK VAN SUID-AFRIKA
REPUBLIC OF SOUTH AFRICA

DEPARTEMENT VAN ARBEID
DEPARTMENT OF LABOUR

Wet op Mannekragopleiding 1981 (Regulasie 16)

Manpower Training Act 1981 (Regulation 16)

SERTIFIKAAT
CERTIFICATE

Hierby word gesertifiseer dat
This is to certify that

GIOVANNI BENIGNO

in 'n ambagstoets in die ambag/beroep
has passed a trade test in the trade/occupation

ELEKTRISIEN / ELECTRICIAN

geslaag het, ooreenkomstig standaarde deur die Nasionale Opleidingsraad erken ingevolge die bepalings van artikel 28 van die Wet op Mannekragopleiding 1981. (Gelees met Skedule 2 Artikel 4(5) van die Wet op Vaardigheids Ontwikeling, 1998)

in accordance with the standards recognised by the National Training Board in terms of section 28 of the Manpower Training Act, 1981. (Read with Schedule 2 Section 4(5) of the Skills Development Act, 1998)

Registrateur van Mannekragopleiding
Registrar of Manpower Training

Nommer / Number: **12/28/6681**

Datum getoets / Date Tested: **2003/10/17**

Datum van Uitreiking / Date of issue: **2003/11/04**



Republic of South Africa

TRADE CERTIFICATE

RUDOLPH GERICKE DU TOIT

is declared competent in the trade

ELECTRICIAN

Listed Trade and Code on the Organizing Framework for Occupations
671101 : Electrician

Certificate Number : **12/112607**
Trade Test Date : **2018-05-02**
Date Issued : **2018-08-02**

Vijayen D. Naidoo
Chief Executive Officer

issued under Section 26 (D) (4) of the Skills Development Act, 1998 (Act No 97 of 1998)

QCTO
Quality Council for Trades & Occupations

Q 15270611

This certificate is issued without alteration or erasure of any kind

CERTIFICATES



Training Gate (Pty)

Certificate

This is to certify that

Charl Smit

Has been trained on a course in

Electrical Skills Programme

From 12 February 2007 To 20 April 2007

Date Issued 26 July 2007 Serial Number SD/2007/455

Training Manager CEO

Accreditation No 17-QA/ACC/0011/06 Accreditation No ES/ETQA/0064



Republic of South Africa

Certificate of Achievement

Issued under the jurisdiction of the
Energy Sector Education and Training Authority
Established on 20 March 2000 in terms of the Skills Development Act, 1998
(Act No. 97 of 1998)

This is to certify that

Charl Smit

Has Achieved a

National Certificate: Electrical Engineering

NQF Level: 4 Credits: 134

NLRD registration number: 48474

Chief Executive Officer ETQA Manager

Completion date: 2010/08/06
Date of Issue: 2010/08/27
Certificate Number: 210694/Q-48474-39

E SETA

Energy Sector Education and Training Authority



SERVICES SECTOR EDUCATION AND TRAINING AUTHORITY

Certificate

Issued under the jurisdiction of the Manpower Training Act, 1981 (Regulation 16)

Read with schedule 2 Item 4(5) of the Skills Development Act 1998)

This is to certify that

CHARL SMIT

Has passed a qualifying test in the trade

ELECTRICIAN

In accordance with the standards recognised by the Services Sector Education and Training Authority and the Department of Higher Education and Training in terms of section 28 of the Manpower Training Act, 1981

Reference number: 8801115007083/20100818/60993
Certificate Number: 23/28/002684
Date of issue: 01/09/2010

Chief Executive Officer Registrar of Manpower Training

FAQ



WHY SHOULD YOU CONSIDER SOLAR ENERGY?

You might save up to 60% on electricity right away, depending on the size of your home and the type of solar energy system you install. Solar technology increases the value of your home whether you build a new energy-efficient home or upgrade an old one. Solar systems also require extremely little maintenance. Much less than an electric geyser, for example. You'll save money on your electricity bill, but you'll also have the peace of mind that comes with producing some of your own energy and being less dependent on the national grid.



HOW DOES SOLAR ENERGY WORK?

South Africa also has one of the highest levels of solar radiation in the world. Solar radiation can be utilized to generate heat or electricity, both of which can be used to lower the amount of electricity you consume. When considering solar technology, prioritize reducing your biggest loads first, as this will result in the most savings.You'll save money on your electricity bill, but you'll also have the peace of mind that comes with producing some of your own energy and being less dependent on the national grid.

FAQ



IS ALL SOLAR ENERGY THE SAME?

Solar thermal and solar photovoltaic (solar PV) systems are two separate types of solar systems. Solar thermal systems heat water while also saving money because they do not require the use of a geyser, which saves power. Solar photovoltaic is a system that creates power that you can use instead of purchasing it.



GENERATING YOUR OWN SOLAR ELECTRICITY?

Now for making your own electricity: Electricity is generated by silicon cells in solar panels. The electricity created is direct current (DC), while we use alternating current (AC) in our homes. An inverter is used to convert the electricity into AC. All our systems are NRS 097 compliant. In off grid-systems you replace the national power grid with your own grid using a battery inverter and batteries. Solar energy is supplied into the system, with some of it being used immediately and the remainder being stored for later use. Off-grid systems have a large battery storage capacity, typically a two-day supply, for when bad weather reduces solar generation.

FAQ



WHAT DO I NEED TO KNOW ABOUT INSTALLATION AND MAINTENANCE?

Installation is quite a complicated process. A Power Africa professional installer will advise you on the best alternative energy solution and placement of your solar panels. The more hours your panels are exposed to full sun, the better they will generate power. Solar technology is a big investment, by switching to solar you can reduce your monthly electricity bill by up to 60% from day one and use these savings to pay off your system. The life expectancy of our solar systems is 15–25 years depending upon the system, and the costs of installation can be recovered in as little as three years making solar an exceptional investment.

HOW TO MOVE FORWARD...



1

Choose the right solution to suit your needs



2

Agree on delivery & installation date



3

Installation takes place & signing off

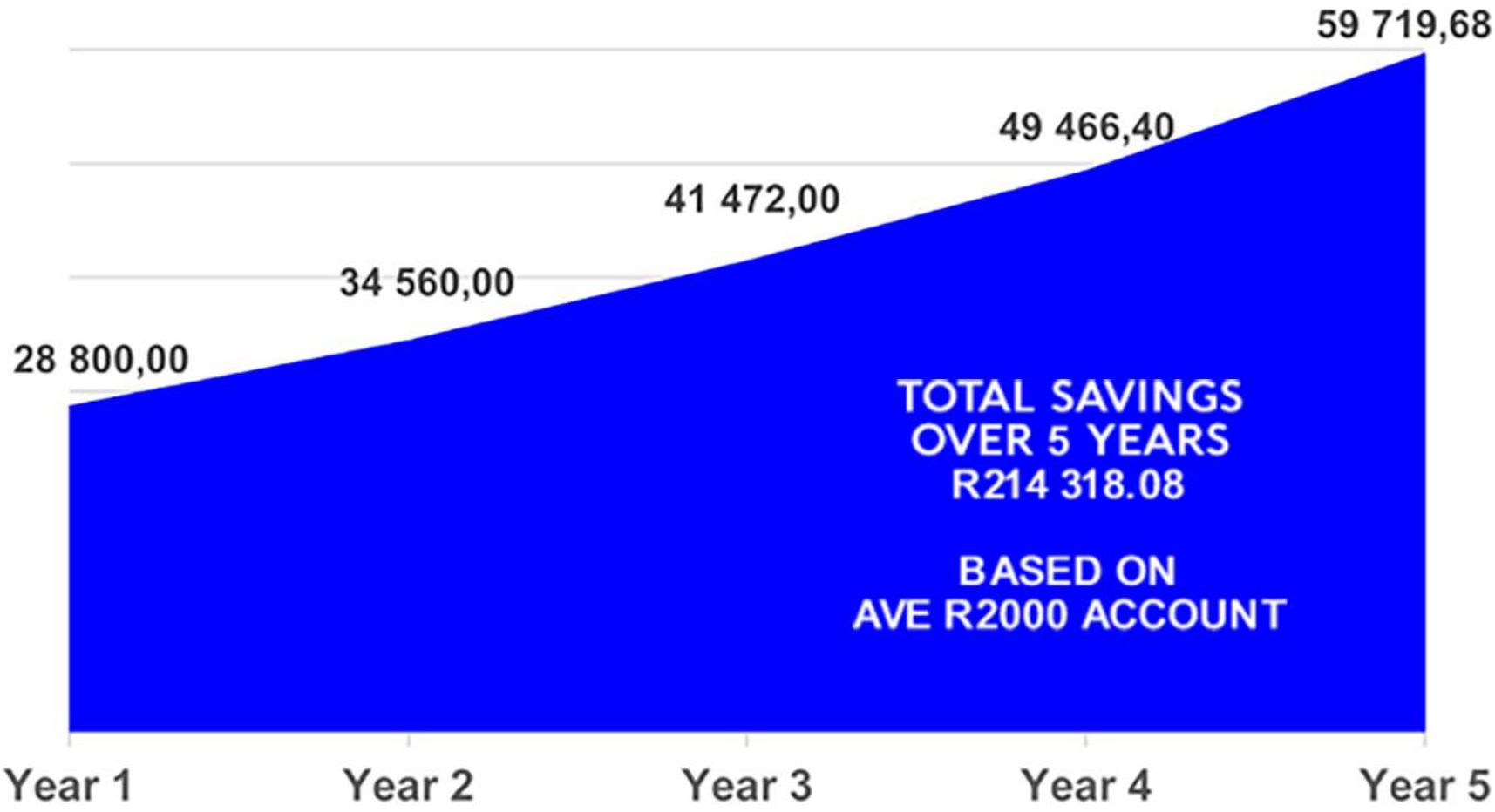


4

Enjoy the benefits & savings

FAQ

EXACTLY HOW MUCH CAN BE SAVED ON ELECTRICITY BILL?



CONTACT US

READY TO MAKE THE SWITCH?

There is no doubt that energy consumption is increasing tremendously with each passing day. With rising electricity rates and load shedding, the need for renewable, dependable, and cost-effective energy sources to fulfil expanding demand has grown more critical.

When it comes to investing in solar technology, choosing an experienced and reputable installer, such as Power Africa, is important.

Want to escape conventional electricity for good? You will not only save money on your electric bill, but you will also have the peace of mind that comes with producing some of your own energy and being less dependent on the national power grid. Contact us for an obligation-free solar power solution for your home.

012 809 2281

CC@POWER-AFRICA.CO.ZA

POWER-AFRICA.CO.ZA

638 Jacqueline Dr, Garsfontein, Pretoria, 0042

LET'S GET SOCIAL