

Proudly Bidvest

**voltex**<sup>®</sup> *your electrical connection*<sup>®</sup>

ELECTRICAL

SOLAR

MOTOR CONTROL

CABLE & WIRE

LIGHTING

TOOLS

TRANSMISSION & DISTRIBUTION

~~ELECTRICITY 36%↑~~  
AVOID THE RISING ELECTRICITY COSTS WITH SOLAR



# WATTS\$ for Africa

Power up with solar. Lower bills.  
Cleaner energy. Greener Africa.

Start now and build towards  
your perfect solar solution  
**and long-term savings.**

SHOP NOW  
IN-STORE | ONLINE | APP  
[WWW.VOLTEX.CO.ZA](http://WWW.VOLTEX.CO.ZA)



T's and C's Apply.  
Valid until January 2025 while promo stocks last.

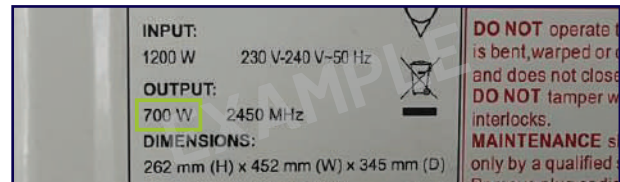


## How to calculate your electricity consumption

To calculate your consumption, you will need to find out how many kilowatt-hours each electrical appliance consumes. Then, add them together. **Do this by following three steps:**

### Step 1: Find the electrical appliance's wattage and estimated monthly use in hours

To find the wattage of a product, check for a label on the product. If there is no label, look at the original package or user manual.



### Step 2: Calculate how much electricity an appliance consumes

To find out how much electricity an electric appliance consumes in kilowatt-hours in a month, use these two formulas in the order they appear:

In our example, we will be using a **135-watt television**, that has an estimated monthly use of **30 hours**. To find the watt-hours used, we will use the first formula:

**Two formulas needed to calculate kWh**

Appliance Wattage  $\times$  Estimated Monthly Use (in hours) = Watt-hours

**135 watts x 30 hours = 4.050 watt-hours**

To convert watt-hours into kilowatt-hours, we use the second formula:

**Finding Kilowatt-hours**

Watt-hours  $\div$  1.000 = Kilowatt-hours

4.05 Watt-hours  $\div$  1.000 = **4.05kWh**

### Step 3: Calculating total Kilowatt-hours consumed

Find the sum of your kWh usage, by adding all the products' kWh usage together. Make a list of these appliances. For example:

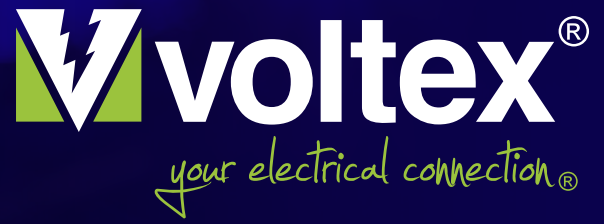
Winter Power Usage					
No	Appliance	Wattage	No. in use	Hours of Use	Total Load
1	LED Tubes	40	2	5	400
2	Ceiling Fans	50	2	0	0
3	Pedestal Fan	50	1	0	0
4	TV	175	1	2	350
5	Water Pump	746	1	1	746
6	Electric Iron	1.200	1	1	1.200
7	CFLs	24	2	9	432
			1 house	TOTAL	3.128kWh

Proud stockists of these solar brands and many more



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- TOOLS
- TRANSMISSION & DISTRIBUTION

## Don't want to do it manually?

Use a monitoring device to calculate your electricity cost

There are multiple devices for home energy monitoring out there. The device is installed directly into your electrical DB and records how much energy specific appliances are consuming in real-time. (Needs to be installed by a qualified electrician)

Track your **power consumption** with this!

### Single/3-Phase Wifi Enabled Eergy Energy Meter E-Max

Product Code: T0004762

**R1 900<sup>00</sup>**  
Incl VAT



For installation, contact your nearest Voltex branch for our preferred installers in your area.

### Do your own energy consumption survey:

Item Description	Wattage	Quantity	Hours of use (per day)	Total Load (per day)
<b>TOTAL</b>				

Essentials	
Lights/Lamps	Led from 5W
TV	50 - 350W (30" - 70")
Kettle (go for gas)	1.500W
Wifi	+25W
Fridge	+500 - 800W
Microwave	1.250 - 3.000W
Nice-to-haves	
Pool Pump	1.500 - 2.500W
Jacuzzi	1.500 - 6.000W
Electric Fencing	25W each
CCTV Cameras	12W each
Airconditioning	3.000 - 3.500W
Hairdryer	1.500 - 2.000W
Toaster	1.100 - 1.500W





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## Combos under R30K



### LIZARD

Product code: T0005098

1 X 3KW SRNE  
HYBRID INVERTER



1 X 2.5KWH LEMOEN  
LIFEPO4 ECO  
BATTERY



**R10 971 00**  
Incl VAT

### GECKO

Product code: T0005099

1 X 3KW SRNE  
HYBRID INVERTER



1 X 2.75KWH HUBBLE  
LITHIUM WALL MOUNT  
BATTERY AM4



**R16 244 00**  
Incl VAT

### BUSHPIG

Product code: T0005085

1 X 5KW LUXPOWER  
INVERTER



1 X 5KWH FREEDOM  
WON eTOWER  
LIFEPO4 BATTERY



NRS-097-2-1  
Approved

**R22 747 00**  
Incl VAT

### ANTELOPE

Product code: T0005098

1 X 5KW LUXPOWER  
INVERTER



1 X 5.5KWH HUBBLE  
AM2 BATTERY



NRS-097-2-1  
Approved

**R24 900 00**  
Incl VAT

### OTTER

Product code: T0005085

1 X 5KW LUXPOWER  
INVERTER



1 X 4.95KWH  
GREENRICH U-P5000  
BATTERY 1.5C



NRS-097-2-1  
Approved

**R26 984 00**  
Incl VAT

### How do I calculate what size Inverter I need?

If your home consumes 3.128kW during peak  
usage, multiply by **1.2** to get 3.753kWh.

eg.  $3.128 \times 1.2$  (or 20%) = 3.7583kW  
actual kW required.

A 5kW inverter would be sufficient for your  
needs, and adding batteries can extend  
your energy usage time during power  
outages or at night.

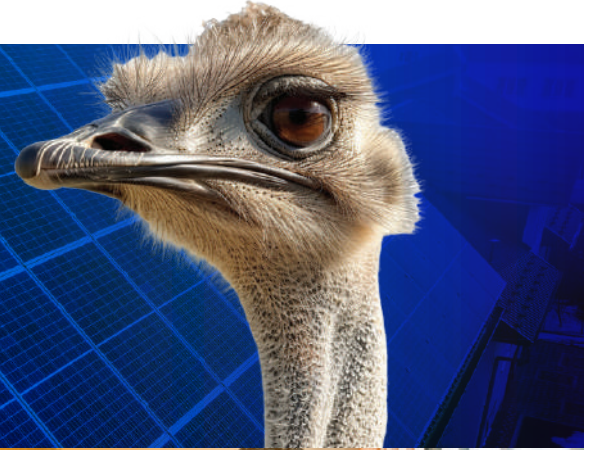


Go solar  
and reduce  
greenhouse gases  
to help combat  
climate change.

Check in-store for Warranty duration and combinations.



# Combos under **R60K**



**Go solar** and conserve water,  
unlike traditional power plants.



## PYTHON

Product code: T0005097

1 X 3.6KW SUNSYNK  
POWERLYNK INVERTER



1 X 3.84KWH SUNSYNK  
POWERLYNK LIFEPO4 BATTERY

**R32 155** 38

Incl VAT



## MONGOOSE

Product code: T0005084

1 X 5KW SUNSYNK HYBRID  
INVERTER 48V + WIFI DONGLE



1 X 5KWH FREEDOM WON ET  
BATTERY STORAGE LIFEPO4

**R35 508** 55

Incl VAT



## OSTRICH

Product code: T0005078

1 X 5KW SUNSYNK HYBRID  
INVERTER 48V + WIFI DONGLE



1 X 5.5KWH HUBBLE AM-2  
BATTERY

**R38 550** 30

Incl VAT



## GENET

Product code: T0005090

1 X 5KW SUNSYNK HYBRID  
INVERTER 48V + WIFI DONGLE



1 X 4.95KWH GREENRICH  
BATTERY LITHIUM 51.2V

**R39 744** 78

Incl VAT



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& DISTRIBUTION

## Combos under R60K

Go solar and cut down on fossil fuel reliance,  
reducing air pollution.



### MEERKAT

Product code: T0005086

- + 1 X 8KW SUNSYNK INVERTER
- + 1 X 5KWH FREEDOM WON  
eTOWER LIFEPO4 BATTERY

**R47 638<sup>75</sup>**  
Incl VAT



### WATERBUCK

Product code: T0005080

- + 1 X 8KW SUNSYNK INVERTER
- + 1 X 5.5KWH HUBBLE LITHIUM  
WALL MOUNT BATTERY AM2

**R50 680<sup>50</sup>**  
Incl VAT



### HEDGEHOG

Product code: T0005092

- + 1 X 8KW SUNSYNK INVERTER
- + 1 X 4.95KWH GREENRICH  
LITHIUM UP5000 BATTERY 1.5C

**R51 874<sup>98</sup>**  
Incl VAT



### BUSHBUCK

Product code: T0005087

- + 1 X 10KW SUNSYNK HYBRID  
SINGLE PHASE INVERTER
- + 1 X 5KWH FREEDOM WON  
eTOWER LIFEPO4 BATTERY

**R52 498<sup>88</sup>**  
Incl VAT





## Combos under R60K



### NYALA

Product code: T0005081

1 X 10KW SUNSYNK HYBRID SINGLE PHASE INVERTER

1 X 5.5KWH HUBBLE LITHIUM WALL MOUNT BATTERY AM2

**R55 540<sup>63</sup>**  
Incl VAT



### MAMBA

Product code: T0005096

1 X 12KW DEYE LV SINGLE PHASE INVERTER

1 X 5.12KWH DYNESSE LITHIUM-ION BATTERY

**R55 545<sup>00</sup>**  
Incl VAT



### HARTEBEEST

Product code: T0005088

1 X 12KW SUNSYNK HYBRID PV SINGLE PHASE INVERTER

1 X 5KWH FREEDOM WON eTOWER LIFEPO4 BATTERY

**R56 362<sup>88</sup>**  
Incl VAT



### VLAKVARK

Product code: T0005093

1 X 10KW SUNSYNK HYBRID SINGLE PHASE INVERTER

1 X 4.95KWH GREENRICH LITHIUM UP5000 BATTERY 1.5C

**R56 735<sup>11</sup>**  
Incl VAT



### IMPISI

Product code: T0005082

1 X 12KW SUNSYNK HYBRID SINGLE PHASE INVERTER

1 X 5.5KWH HUBBLE LITHIUM WALL MOUNT BATTERY AM2

**R59 404<sup>63</sup>**  
Incl VAT



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CABLE & WIRE



LIGHTING

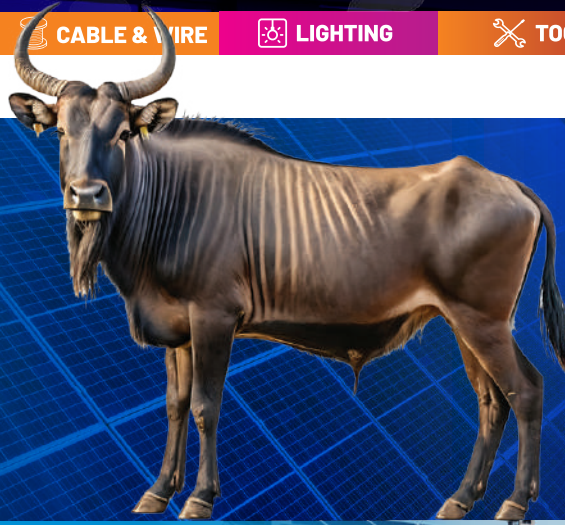


TOOLS



TRANSMISSION  
& DISTRIBUTION

## Combos under R100K



Go solar and pave the way for a cleaner, sustainable future.

### How do I calculate how many batteries I need?

Usable Energy per Battery =  $5\text{kWh} \times 0.80 = 4.0\text{kWh}$  (per hour)

Each 5kWh battery provides **4kWh** of usable energy an hour.

To meet eg. a 3.8kWh requirement, one battery providing 5kWh of usable energy will be enough. Therefore, a 5kWh battery will be required to provide 3.8kWh energy storage.



### SABLE

Product code: T0005094

1 X 12KW SUNSYNK HYBRID SINGLE PHASE INVERTER



1 X 4.95KWH GREENRICH LITHIUM UP5000 BATTERY 1.5C

**R60 599<sup>11</sup>** Incl VAT



### WOLF

Product code: T0005089

1 X 12KW SUNSYNK HYBRID THREE PHASE INVERTER



1 X 5KWH FREEDOM WON eTOWER LIFEPO4 BATTERY

**R64 649<sup>72</sup>** Incl VAT



### WILDEBEEST

Product code: T0005083

1 X 12KW SUNSYNK HYBRID THREE PHASE INVERTER



1 X 5.5KWH HUBBLE LITHIUM WALL MOUNT BATTERY AM2

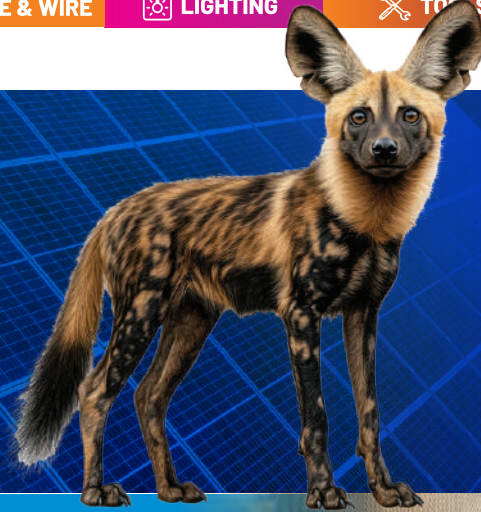
**R67 691<sup>67</sup>** Incl VAT

If you're using a **5kWh** battery, keep in mind most batteries should not be fully discharged. A typical **Depth of Discharge (DoD)** is around **80%**, meaning you can use **80% of the battery's capacity**.





# Combos under R100K



Go solar and help boost the economy with jobs in solar installation and maintenance.



## WILD DOG

Product code: T0005095

1 X 12KW SUNSYNK HYBRID  
THREE PHASE INVERTER



1 X 4.95KWH GREENRICH  
LITHIUM UP5000 BATTERY

**R68 885 95**

Incl VAT



## JACKAL

Product code: T0005104

1 X 10KW SUNSYNK SINGLE  
PHASE INVERTER



1 X 10KWH FREEDOM WON  
LIFEPO4 10/8 BATTERY

**R74 486 88**

Incl VAT



## HYENA

Product code: T0005103

1 X 20KW DEYE LV INVERTER



1 X 10.24KWH DYNES  
POWERBOX BATTERY

**R90 562 50**

Incl VAT



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LIGHTING

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## Combos under R130K



### AARDVARK

Product code: T0005105

1 X 16KW SUNSYNK  
SINGLE PHASE INVERTER

1 X 15KWH FREEDOM WON  
LIFEPO4 15/12 BATTERY

**R110 106 75**  
Incl VAT



### CROCODILE

Product code: T0005106

1 X 20KW DEYE LV  
INVERTER

1 X 20KWH FREEDOM WON  
LIFEPO4 20/16 BATTERY

**R126 931 25**  
Incl VAT

### EASILY ADD ADDITIONAL SOLAR PANELS & BATTERIES

Product Code	Description	Price (incl. VAT)
T0004862	455W Canadian Solar Panel	R1 805.21 Each
T0004861	545W Canadian Solar Panel	R2 162.30 Each
T0004307	605W Canadian Solar Panel	R2 400.33 Each
T0004910	5.5kWh Hubble Lithium Wall Mount Battery AM2	R18 630.00 Each
T0004150	5kWh Freedom Won E-Tower LifePO4 Battery	R14 812.00 Each
T0004877	4.95kWh Greenrich Lithium UP5000 Battery	R19 558.45 Each
T0004281	5.12kWh Dyness Lithium-Ion Battery	R15 870.00 Each
T0005067	10.24kWh Dyness Powerbox Battery	R35 707.50 Each
T0003675	10kWh Freedom Won LifePO4 10/8 Battery	R36 800.00 Each
T0003676	15kWh Freedom Won LifePO4 15/12 Battery	R54 050.00 Each
T0003677	20kWh Freedom Won LifePO4 20/16 Battery	R71 300.00 Each
T0004097	30kWh Freedom Won LifePO4 30/24 Battery	R108 100.00 Each





# Solar AIRCONS



Go solar and generate free energy, significantly reducing your electricity bills.



## DASSIE

Product code: T0005100

1 X 12000BTU DEYE SOLAR AIRCON



6 X 415W TRINA MONOCRYSTALLINE SOLAR PANELS

**R29 177** <sup>42</sup>  
Incl VAT



## WARTHOG

Product code: T0005101

1 X 18000BTU DEYE SOLAR AIRCON



6 X 415W TRINA MONOCRYSTALLINE SOLAR PANELS

**R32 753** <sup>29</sup>  
Incl VAT



## BADGER

Product code: T0005102

1 X 24000BTU DEYE SOLAR AIRCON



6 X 415W TRINA MONOCRYSTALLINE SOLAR PANELS

**R37 052** <sup>42</sup>  
Incl VAT



## Battery Saving Tip:

If you're using a **5kWh** battery, keep in mind most batteries should not be fully discharged.

A typical **Depth of Discharge (DoD)** is around **80%**, meaning you can use **80% of the battery's capacity**.



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WELDING

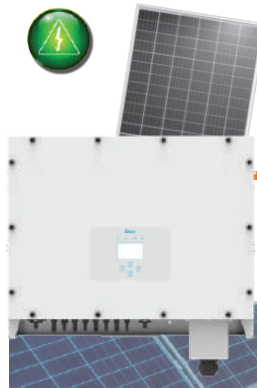
TOOLS

TRANSMISSION  
& DISTRIBUTION



## HIGH VOLTAGE

Renewable energy solutions



### GIRAFFE

Product code: T0005110

1 X 60KW DEYE  
GRID-TIED INVERTER

+  
48 X 545W CANADIAN  
SOLAR PANELS

**R146 062<sup>25</sup>**  
Incl VAT



### ELAND

Product code: T0005112

1 X 60KW SOLAX X3  
GRID-TIED INVERTER

+  
72 X 545W CANADIAN  
SOLAR PANELS

**R199 040<sup>85</sup>**  
Incl VAT



### KUDU

Product code: T0005111

1 X 110KW DEYE  
GRID-TIED INVERTER

+  
72 X 545W CANADIAN  
SOLAR PANELS

**R213 272<sup>10</sup>**  
Incl VAT



### TIGER

Product code: T0005113

1 X 110KW SOLAX X3  
GRID-TIED INVERTER

+  
108 X 545W CANADIAN  
SOLAR PANELS

**R299 208<sup>15</sup>**  
Incl VAT



### CHEETAH

Product code: T0005114

1 X 50KW SUNSYNK HV INVERTER

+  
1X 60KWH FREEDOM WON HV 60/48 BATTERY

NRS Approved

**R340 638<sup>44</sup>**  
Incl VAT



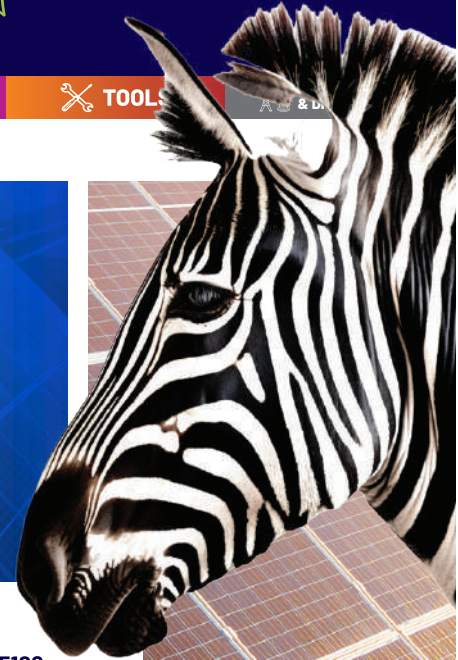
Go solar  
and preserve  
natural resources  
for a greener,  
cleaner tomorrow.





# HIGH VOLTAGE

Renewable energy solutions



## HIPPO

Product code: T0005118  
1 X 50KW SOLIS HYBRID INVERTER  
+  
1 X 50KWH GREENRICH HV BATTERY SET

**R351 553 27**  
Incl VAT



## RHINO

Product code: T0005108  
1 X 50KW DEYE HYBRID THREE PHASE INVERTER  
+  
12 X 5.12KWH DEYE HV LIFEPO4 BATTERIES  
+  
1 X DEYE BATTERY RACK  
+  
1 X DEYE BATTERY MANAGEMENT SYSTEM

**R382 303 12**  
Incl VAT



## ZEBRA

Product code: T0005119  
1 X 50KW SOLIS INVERTER  
+  
1 X 100KWH GREENRICH BATTERY  
MINISUB

**R705 093 75**  
Incl VAT

Images may vary from the actual product.



## SPRINGBOK

Product Code: T0005107  
1 X 50KW SUNSYNK HYBRID PV INVERTER + WIFI DONGLE  
+  
1 X 61.44KWH SUNSYNK BATTERY SET LIFEPO4 (12 X 5.12KWH) + BMS + RACK

**R386 287 87**  
Incl VAT



## IMPALA

Product code: T0005109  
1 X 50KW DEYE HYBRID THREE PHASE INVERTER  
+  
12 X 5.12KWH DEYE HV LIFEPO4 BATTERIES  
+  
1 X DEYE BATTERY RACK  
+  
1 X DEYE BATTERY MANAGEMENT SYSTEM  
+  
64 X 545W CANADIAN SOLAR PANELS

**R516 678 32**  
Incl VAT

Go solar and enjoy both a personal win and a step towards a more sustainable, energy-secure Africa.



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## WHALE

Product code: T0005117

- + 1 X 50KWSUNSYNK INVERTER
- + 1 X 122KWH SUNSYNK BATTERY
- POWERHUB

**R882 337 50**  
Incl VAT



## ELEPHANT

Product code: T0005120

- + 1 X 100KW SOLIS INVERTER
- + 1 X 200KWH GREENRICH BATTERY
- MINISUB

**R1 319 625 00**  
Incl VAT

Images may vary from the actual product.



## LION

Product code: T0005121

- + 1 X 250KW MEGAREVO MPS INVERTER
- + 1 X 230KWH FREEDOM WON HV 230/184 BATTERY

**R1 536 313 75**  
Incl VAT



## COUGAR

Product code: T0005122

- + 1 X 50KWH SUNSYNK HV INVERTER
- + 1 X 61.5KWH HUBBLE LITHIUM BATTERY HV-615

**R383 700 37**  
Incl VAT

# HIGH VOLTAGE

Renewable energy solutions

BESS Container solutions available on request



Go solar and reduce global warming to create cleaner air for our wildlife to breathe.





## LEOPARD

Product code: T0005115

1 X 63KW/107KWH  
BESS HUBBLE CUBE  
(INCLUDES 50KW  
MPPT, STS AND EMS)

**R737 437** 50  
Incl VAT



## BUFFALO

Product code: T0005116

1 X 105KW/215KWH  
BESS HUBBLE CUBE  
(INCLUDES 100KW  
MPPT, STS AND EMS)

**R1 163 081** 25  
Incl VAT

## BALANCE OF SYSTEMS (BOS) and consumables for renewable energy installations



Combiner Box



Cable & Wire



Lugs and Ferrules



Conduit & Trunking



Switchgear



Distribution Boards



Welding Cable



Solar Cable



Mounting Structures



Sprague Tubing



Connectors

**Enquire at your nearest Voltex branch today.**



**Go solar**  
and lessen our  
carbon footprint  
for cleaner air  
and healthier  
ecosystems.





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## BRANCHES

### ATLAS GROUP

Alberton (Alrode) 011 864 5255

### EASTERN CAPE

East London 043 743 3650

Mthatha 047 531 1584

Gqeberha (PE) 041 504 8200

### FREE STATE

Bloemfontein 051 505 0700

Welkom 057 396 3191

### GAUTENG

Alberton 011 907 3752

Atterbury 012 912 0130

Bramley 011 887 1308

Centurion 012 653 3090

East Rand 011 918 5220

Kempton Park 011 970 3290

Midrand 011 315 5800

Montana 012 524 9600

Pretoria 012 330 9700

Pretoria North 012 546 8111

Randburg 011 792 3380

Weltevreden Park 010 007 5181

West Rand 011 951 5780

### KWAZULU-NATAL

Ballito 032 946 3966

Briardene 031 573 9200

Durban 031 310 7900

Newcastle 034 315 4150

Pietermaritzburg 033 345 4545

Pinetown 031 702 0831

Richards Bay 035 789 7970

### LIMPOPO

Hoedspruit 015 793 3703

Lephalale 014 763 2215

Makhado 015 516 2075

Phalaborwa 015 781 6409

Polokwane 015 297 6177

Tzaneen 015 307 1213

### MPUMALANGA

Lydenburg 013 235 4706

Nelspruit 013 753 3641

Witbank 013 697 6610

### NORTH WEST

Klerksdorp 018 462 9945

Potchefstroom 079 353 5809

Rustenburg 014 597 1311

### NORTHERN CAPE

Kathu 053 723 2222

Kimberley 053 832 1211

Kuruman 053 712 1164

Upington 054 332 6211

### WESTERN CAPE

Blackheath 021 905 1877

Brackenfell 021 982 1404

Cape Town 021 531 2033

George 044 873 5020

Knysna 044 382 1242

Mossel Bay 044 695 0010

Overstrand (Hermanus) 028 312 3366

Paarl 021 872 1554

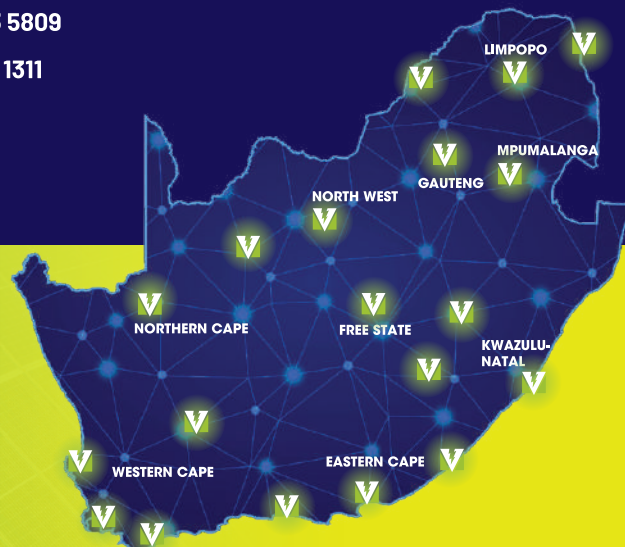
Strand 021 853 8511

West Coast 022 713 2371

Wetton 021 761 4599

Worcester 023 342 1795

**OVER 50+  
BRANCHES  
NATION WIDE**



Speak to one of our dedicated Solar Champions for details of our preferred installers.

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