



What is poweroptimal Elon ® 100?

The innovative PowerOptimal Elon ® 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimized solar power use in a single compact unit.

Does Elon 100 include a geyser?

Geyser not included. The innovative PowerOptimal Elon 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimised solar power use in a single compact unit. This kit is suitable for a 3 to 4 person household - 150 - 200ltr geyser.

How does the poweroptimal Elon ® work?

The PowerOptimal Elon ® operates on a very simple principle: it enables direct current (DC) electricity produced by solar PV modules to be used directly for water heating using a standard electric geyser with alternating current (AC) heating element and AC thermostat. The Elon can run completely off-grid, or with grid AC power as backup.

Does power optimal supply elon100?

Power Optimal supply our customers with the Elon100. All of our customers are extremely pleased with the result of the Elon system, where they had reductions in their electricity bills and hot water even during cold winter days. I highly recommend the Elon100 to installers and customers. Great product and great support from the guys at PowerOptimal

Are you saving money with the Elon 100?

Thank you Piet for your feedback. We are happy to hear that you are saving money with the Elon 100! Power Optimal supply our customers with the Elon100. All of our customers are extremely pleased with the result of the Elon system, where they had reductions in their electricity bills and hot water even during cold winter days.

Is Elon a good choice for off-grid water heating?

Off-grid water heating with the Elon solution: "Installing an Elon was the best decision ever. Linked to

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three solar panels and with good planning my geyser is not consuming any Eskom power. We are completely off the grid, Winter and Summer. We are so satisfied that we just decided to install another Elon in my new house."



The average residential price of electricity in South Africa in 2016 (supplied by Eskom or municipalities) was about R1.60/kWh, and increases every year. Reduce your exposure to ever-increasing electricity prices by installing an Elon 100 system. There are many other benefits to the PowerOptimal ElonTM solar PV water heating system:



Elon Smart Installation Training Course (18:00) Elon Smart troubleshooting guide video (3:05) Elon 100 Basic Online Training Course (44:00) Elon 100 Installation Training Course (18:06) Elon 100 user instructions video (8:13) Elon 100 training videos for electricians (7:26) For plumbers: how to disconnect or reconnect the Elon(R) 100 or Smart

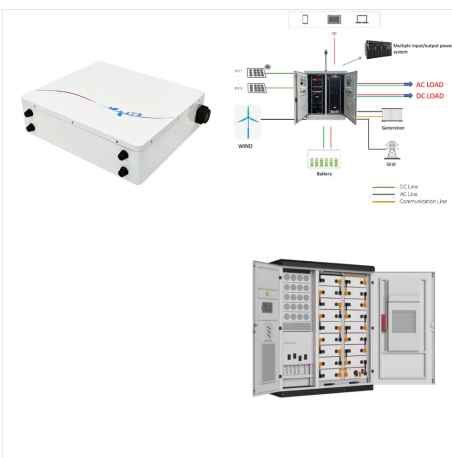
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The PowerOptimal Elon Refer to the Elon (R) 100 Easy Selection Guide on this page to download the basic guide or the Elon and electricity price increases in the next few years, but typically payback period is in the range of 2 to 4.5 years. With a typical solar module life expectancy of more than 30 years,



The average residential price of electricity in South Africa in 2021 (based on a middle-class household in the four largest metropolitan areas) is Refer to the PowerOptimal Elon(R) 100 Technical Specifications or the full selection guide (available on the downloads page) for ???



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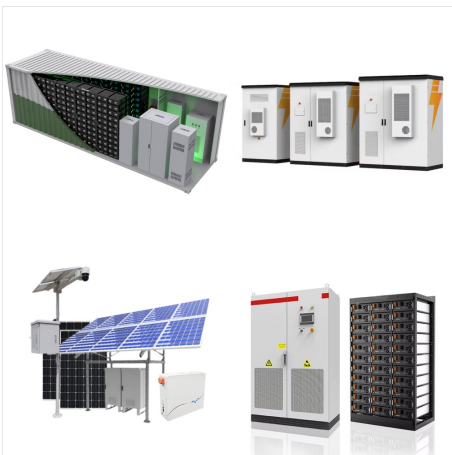
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Document Version: 2.17 info@poweroptimal
Directors: RA Fearon, FS Moolman, JJ Theron, IR Jandrell (Independent) Company registration number: 2012/099947/07 Postnet Suite 21, Private Bag X21, Tyger Valley, 7536 INTRODUCING THE PowerOptimal Elon(R) 100

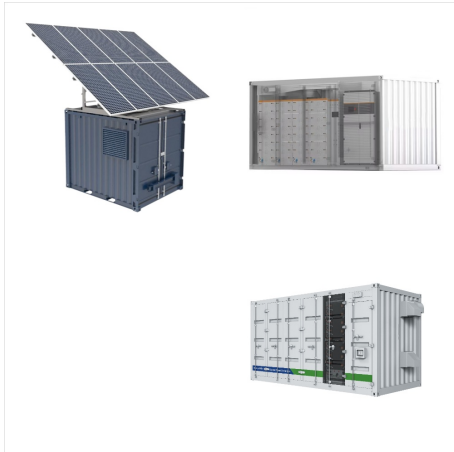


. The Elon 100 is connected to the geyser element and thermostat. When the solar modules are producing electricity, the Elon 100 feeds this into the geyser element to heat water, until the water reaches the temperature setting on the thermostat. Depending on the Elon 100 efficiency setting (see Section 3.3) or when the user presses the



PowerOptimal Elon(R) 100 Installation Manual
Version number: 2.24 Version date: 2023/09/18
Enquiries: info@poweroptimal Address: Postnet Suite 21 Private Bag X21 Tyger Valley 7536
Patented: GB2583814, ZA2019/02129, ZA2022/08516 Patents pending:
PCT/IB2021/050542, GB2206504.9

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Directors: RA Fearon, FS Moolman, JJ Theron, DM Weber (Independent), IR Jandrell (Independent)
Company registration number: 2012/099947/07 PO
Box 5, Kleinmond, 7195 INTRODUCING THE
PowerOptimal Elon(R) 100



The average residential price of electricity in South Africa in 2024 (based on a middle-class household in the four largest metropolitan areas) is Refer to the PowerOptimal Elon(R) 100 Technical Specifications or the full selection guide (available on the downloads page) for ???

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STEPS TO DISCONNECT THE ELON(R) 100 FROM THE GEYSER. Switch off the geyser circuit breaker in the main DB board.; Switch off both the AC isolator and DC circuit breaker or isolator.; Remove the geyser cover. Pull out the green element adapter and thermostat from the element by pulling on the element adapter (see the photo). No need to disconnect any of the wires.



Click on the text or images to open or download the documents. This page contains manuals & guides for new Elon (R) 100's from September 2019. Click here for manuals & guides for old Elons up to August 2019. (How do I know if I have an old or new Elon (R) 100? The controller for the old version says "Efficiency" below the dial (knob), whilst the controller for the new version has ???)

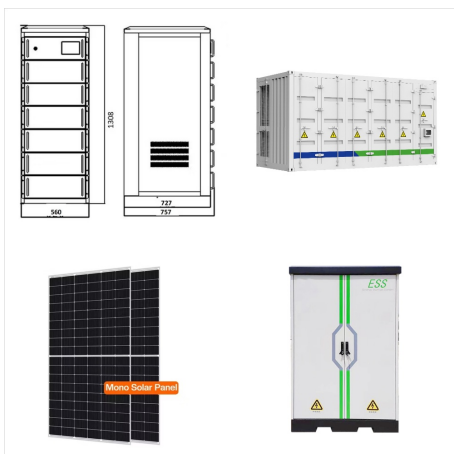


Brochures Product Specifications User Manuals Troubleshooting guides Click on the text or images to open or download the documents. PowerOptimal Elon(R) Smart Brochure Kwikot Elon(R) Smart Brochure PowerOptimal Elon(R) 100 Brochure PowerOptimal Elon(R) 100 Easy Selection Guide PowerGuard Overview Brochure PowerGuard Case Studies PowerGuard Domestic ???

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The innovative PowerOptimal Elon (R) 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision and switching and optimized solar power use in a single compact unit.. The system can be connected to the grid (AC mains) as well, and intelligently switches between ???



R 2,420.00 Original price was: R2,420.00. R 2,360.00 Current price is: R2,360.00. Add to basket; Victron Phoenix Inverter 12v-800VA ??? Contact for price Read more; Victron BMV-712 Smart Battery Monitor ??? Contact for price Read more



The Elon (R) 100 ??? solar PV water heating. The innovative PowerOptimal Elon (R) 100 incorporates proprietary solar PV (photovoltaic) power management technology to allow for direct solar PV DC to electric geyser power provision ???

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DM Weber (Non-Executive), IR Jandrell
(Independent) E info@poweroptimal Company
registration number: 2012/099947/07 WHAT ARE
THE BENEFITS? Based on a lifetime cost per kWh
of water heating (Levelised Cost of Energy or
LCOE), the Elon(R) brings you the lowest cost of
any water ???



Contact Us I'm a Home Owner I'm an Installer I'm
a Property Developer General, Gauteng &
KwaZulu-Natal: 071-021-4626 General, all other
provinces: 072-794-3037 Technical - Elon 100:
083-600-1827 Technical - Elon Smart:
084-924-5225 info@poweroptimal Electrolux Kwikot
Elon Warranty Support: 0861-594-568 Electrolux
Kwikot Elon Warranty Support: ???



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