

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.

How does the poweroptimal Elon 100 work?

The PowerOptimal Elon 100 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

Is elon100 a good product?

I live in Durbanville, Cape Town and have used the Elon100 since Feb 2021. It is a wonderful product and even though we have overcast winters and shorter days, I still save 50% of the electricity during the year, compared to before the installation of the Elon100. It is a wonderful product and it is maintenance free. I highly recommend it.

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.

Document Version: 2.13 info@poweroptimal 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 100

The PowerOptimal Elon ... Refer to the Elon 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 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 Elon™ solar PV water heating system:

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: ...

The Elon® 100 - Solar PV Water Heating 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 ...

PowerOptimal Elon® 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 ...

Elon 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 ...

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® 100 Technical Specifications or the full selection guide (available on the downloads page) for ...

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 ...

The Elon ® 100 - solar PV water heating. 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 ...

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The Future of Hot Water, Today SAVE MONEY NOW The Elon Smart Water Solution transforms coal-fired electric geysers into smart, solar PV-ready, green appliances. Real-time monitoring and communication deliver actionable data. This provides ecosystem stakeholders with the necessary insights to support

decision-making and proactive management & service delivery.

W Directors: RA Fearon, FS Moolman, JJ Theron, 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®; brings you
the lowest cost of any water ...

Web: <https://www.gennergyps.co.za>