AWPower

Solar & Water Engineering

Standard Solar PV Solutions

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www.awpower.co.za

Solar Power & Water Engineering Solutions for
Residential & Commercial Buildings

Solar PV Solutions

Why FoxESS?

- **Engineered by some of the world's leading inverter and battery experts**
- **Fanless (on all single-phase models) quiet operation**
- **High-Voltage for maximum round-trip efficiency**
- **2x MPPTs for the 5kW, 3x for the 8kW and 4x for the 10.5kW provides more options for panel orientations**
- **IP65 rating protection on the inverter and batteries**
- **Immediate replacement on faulty equipment under warranty for peace of mind**

	Option 1	Option 2	Option 3
Phase	Single-phase	Single-phase	Single-phase
Inverter	1 x FoxESS Hybrid Inverter Single-Phase 5kW (2x MPPTs)	1 x FoxESS Hybrid inverter Single-Phase 8kW (3x MPPTs)	1 x FoxESS Hybrid inverter Single-Phase 10.5kW (4x MPPTs)
Battery	1 x Fox EP 5 Li-Ion High Voltage Battery 5kWh @ 100%	1 x Fox EP 10 Li-Ion High Voltage Battery 10kWh @ 100%	1 x Fox EP 10 Li-Ion High Voltage Battery 10kWh @ 100%
Excluded from Estimate	Additional load-splitting if necessary	Additional load-splitting if necessary	Additional load-splitting if necessary
PV Array Size	3.45kWp (6 x 575W)	6.9kWp (12 x 575W)	6.9kWp (12 x 575W)
Est. Average Monthly PV Production	~341 kWh	~682 kWh	~682 kWh
Total System Cost Incl. VAT	***From R98 650***	***From R150 900***	***From R153 300***

*** Electrical CoC for the system, PrEng Electrical sign-off and SSEG Registration included.**

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	Option 4
Phase	Three-phase
Inverter	1 x FoxESS Hybrid Inverter Three-Phase 30kW Limited to 10kW (16kW Peak) by battery
Battery	1 x Fox EP 10 Li-Ion High Voltage Battery 10kWh @ 100%
Excluded from Cost Estimate	Additional load-splitting if necessary
PV Array Size	9.2kWp (16 x 575W)
Est. Average Monthly Production	~909kWh
Total System Cost Incl. VAT	***From R210 300***

Notes

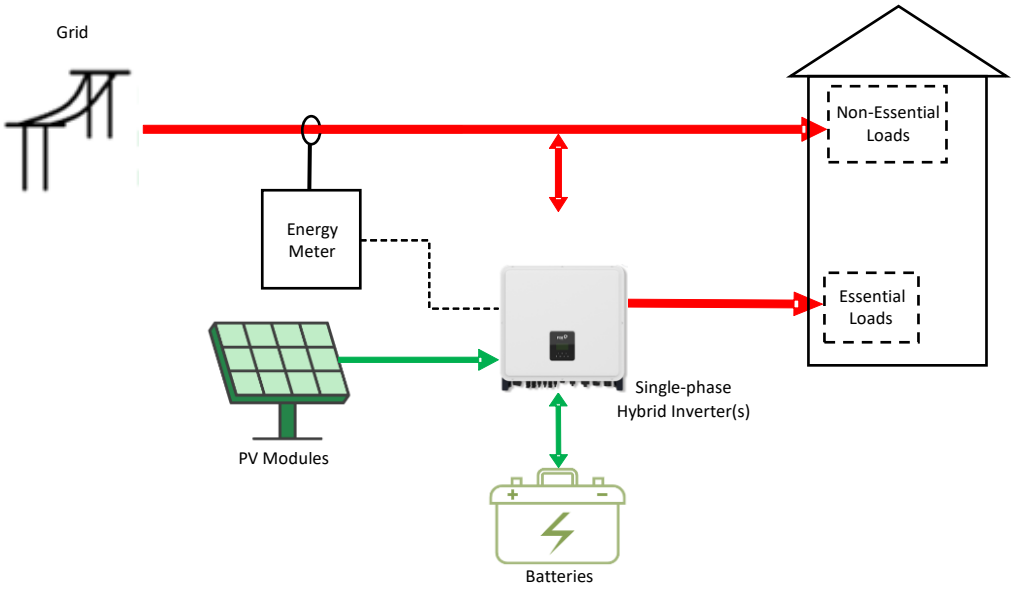
- **Included: Electrical CoC, PrEng sign-off and SSEG Registration with the City of Cape Town.**
- PV generation calculations based on a North facing 35 degrees roof in the Cape Town area.
- Mounting brackets for **corrugated roofing** are used for costing.
- Each option can be tailored to the client's requirements, get in touch with us.
    - **If you require a Victron, Deye or Sunsynk solution please contact us.**

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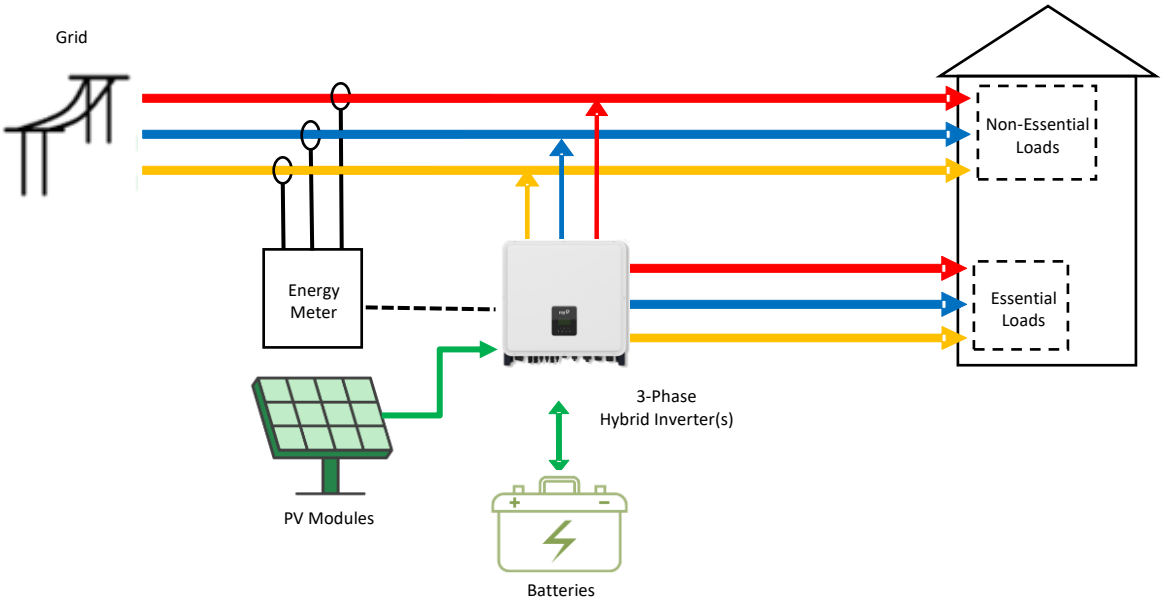
About the solutions

- FoxESS hybrid inverters provide backup power to your Essential loads with PV and battery priority, and when there is excess PV energy available and the battery is fully charged, power will also be sent to non-Essential loads, further lowering your electricity bill.

Single Phase schematic



3-phase Schematic



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Important For You To Know

- It is assumed that the property has an existing and valid COC in place available to present.
- Estimates are based on the installation of inverter and batteries within **5m** of the DB.
- Any additional materials and labour charged by municipality are not included in this proposal.
- Following acceptance of the initial cost estimate, the detailed engineering design may result in changes in configuration and quantities.
- Electrical Labour and materials are estimates and will be confirmed by a final site inspection before installation. Please note changes to existing DB and electrical consumables are not included unless otherwise specified.
- AWPower reserves the right to adjust the proposed pricing if the Rand/USD exchange rate as published by the South African Reserve Bank on date of receipt of payment for goods differing by more than 5% from the exchange rate on date of this proposal.
- The suppliers of the Goods reserve the right to amend prices without notice. Prices quoted in this document can therefore only be confirmed on receipt of 50% deposit payment.
- **This response is valid for 7 days after the date of preparation and is subject to revalidation thereafter.**
- Balancing of 3-phase supply. It is assumed that the phases are balanced.
- Primary equipment is supplied with the following manufacturer warranties (at the time of this document):
    - FoxESS inverter: 10 years
    - FoxESS battery: 10 years (or 4000 cycles)
    - Solar PV Modules: 12 years

About AWPower

Established in 2015, AWPower is a distinguished provider of solar energy solutions, placing a strong emphasis on engineering services. The company was founded by a collective of industrial, mechanical, and mechatronics engineers driven by their passion for the renewable energy sector and their talent for crafting top-notch systems.

AWPower provides **Renewable Energy Solutions for Commercial & Residential Buildings in Cape Town and surrounding areas**.

Our unwavering commitment to research and development remains at the core of AWPower's mission, guaranteeing the delivery of energy-efficient solutions of the highest calibre.

AWPower actively forges strategic partnerships with reputable organisations such as the Centre for Renewable and Sustainable Energy Studies at the University of Stellenbosch.

Our dedication to quality, innovation, and collaboration enables the company to surpass expectations and meet the unique energy requirements of its valued clients.

We are proud to be voted by MyBroadband as a Top Home Solar provider in South Africa.

Visit our website for more: www.awpower.co.za

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