



HOW TO GO SOLAR

A presentation by Trent Gunther
owner of KTT Solar Solutions in
association with MSPD Africa's
presentation by their business
manager Cassandra Gentz on the FOX
ESS and JA Solar Systems

REASONS FOR GOING SOLAR

- No loadshedding woes
- Minimal or no electricity costs
- Adds value to your property by 3% - 4%
- Potential buy back from municipality of excess power
- Almost achieving Eskom independence



Choosing an installer (what certifications to look for)

- Essential requirements:
 - SAPVIA accreditation
 - Electrical contractor (WC and IE numbers) Dept of Labour letter
 - All risk contractor's insurance
- Additional beneficial accreditations:
 - CSD registration
 - CIDB registration



ALWAYS DO YOUR HOMEWORK ON THE INSTALLER.

Accreditations of KTT Solar Solutions

- SAPVIA accredited Green Card Holder
- Registered electrical contractor with Department of Labour and Electrical Contractors Board
- Registered on the Central Suppliers Database (CSD)
- CIDB registration EB2 level
- Fully insured with All Risks Contractors Insurance
- FOX ESS Gold installer
- Over 100 installations and more than 3 (years'



City of Cape Town requirements

- From 1 October 2023 - all battery back-up systems need to be registered with City of Cape Town
- Homeowner's responsibility to ensure solar and battery back-up system is registered
- You can only install a system that is on the City of Cape Town's approved inverter list
- SSEG Application process going online in March 2024
- Engineer inspection and sign off mandatory
- COC - by an electrical contractor registered with Department of Labour and ECB
- Permission to install and reference number



Sizing your system

- Before purchasing a system - consult with an expert to carry out a free site assessment and energy audit
- Discuss what you want to achieve by installing a system
- Look at your budget and energy usage
- Don't be fooled by cheap options
- Every home / business is a unique site and must be treated as such - there is no one size fits all system



Types of systems and equipment

- Presentation by Cassandra Gentz, business manager of MSPD Africa - distributor and supplier of FOX ESS systems and JA Solar. A local company based in Capricorn Business Park offering product training and exceptional after installation technical support.



Compliance, warranties and insurance

COMPLIANCE

- COMPLIANCE IS KEY:
- Electrical installation compliance
- COC
- Engineer sign off
- COCT compliance

WARRANTIES

- Product warranties
- Minimum 10 years
- Register your warranties

INSURANCE

- COC essential
- Product must be insured from date of installation
- Surge protection cover



Costs & Savings

- Initial Costs (solar)



- Savings from going solar



- Potential future savings



Maintenance and Monitoring

- Industry standard - to check and clean panels every 6 (six) months
- Post installation Service Level Agreement - peace of mind
- Factors that hamper solar panel performance:
Wind / Rain / Dust / Birds & Other Wildlife
- Protect your solar investment and keep warranties valid - only use reputable company to clean, maintain and service your system
- Remote monitoring of your system's performance and electricity savings via the App

Feeding back to the grid

- City of Cape Town's Cash for Power incentive - residents can feed electricity back to the grid
- Specialised meters currently cost R12 000 but new cheaper meters in testing phase
- Feed-in tariff for 2024 is 87c/kWh as approved by NERSA and COCT offers an additional incentive of 25c/kWh
- Application process still in testing phase



Recent local achievements for business and improving tourism services - SANParks Cape Point Main Gate - 10.5kW inverter & 34kW battery back up

- Before
- Installation
- After installation



Boulders Beach Kiosk

5kW inverter & 5kW battery back up

- Before installation



- Installation



- After installation



Boulders Beach Main Building 30kW three phase inverter & 33kW Battery back up

- Before installation



- Installation



- After installation



Contact KTT Solar Solutions for assistance

- Should you still have queries in relation to your system or your decision to go solar / battery back up - we are here to assist you.

Or for a free site assessment and quotation

- Contact : Office - 076 211 9568
- Trent: 071 063 0686
- Email: info@kttolarsolutions.co.za / trent@kttolarsolutions.co.za
- www.kttolarsolutions.co.za
- See some of our installations on our Facebook and Insta Pages