



CASE
STUDY

RETAIL

Solar Solutions
Simplified & Guaranteed

The Solution



image: Freepik.com

| SolarEdge Grid-Tied Inverter System: 437.3kWp - No Throttling of Solar Produced | |
|---|--------------------|
| Size of Solar PV Solution | 437.3kWp |
| Turnkey Project Cost | R4 291 098,77 |
| Rand per Watt - Rooftop System | R9,81 |
| Payback Period | 3 years 11 months |
| Year 1 Depreciation - 100% - Effective 28% Tax Benefit | R1 201 507,65 |
| Month 1 Saving | R62 818,75 |
| Current Blended Utility Tariff - On Average | R1,15 |
| Solar PV Levelised Cost of Electricity | R0,56 |
| Year 25 Blended Utility Tariff - 8% Increase per Annum | R7,29 |
| Year 25 Solar PV Levelised Cost of Electricity | R0,56 |
| ROI in Year 1 | 24% and increasing |
| Cumulative Saving over 25 Years | R43 302 741,67 |
| IRR | 39% |
| NPV at a 10% Discount Rate | R9 188 219,37 |
| NPV as ROI % | 214% |
| Extended Warranty to 20 Years for Inverters | |
| R124 800,00 | |

Larger sized panels and different inverter technologies are available should they be determined to be more optimal or cost effective after a detailed site analysis.