



CASE STUDY

COMMERCIAL

Solar Solutions
Simplified & Guaranteed

The Solution

image: Freepik.com

SolarEdge Grid-Tied Inverter System: 172.3kWp - No Throttling of Solar Produced	
Size of Solar PV Solution	172.3kWp
Turnkey Project Cost	R1 720 205,18
Rand per Watt - Rooftop System	R9,98
Payback Period - 5 or 7 Day Week Operation Dependent	3 years 4 months
Year 1 Depreciation - 100% - Effective 28% Tax Benefit	R481 657,45
Month 1 Saving	R30 343,67
Current Blended Utility Tariff - On Average	R1,46
Solar PV Levelised Cost of Electricity	R0,59
Year 25 Blended Utility Tariff - 8% Increase per Annum	R9,26
Year 25 Solar PV Levelised Cost of Electricity	R0,59
ROI in Year 1	29% and increasing
Cumulative Saving over 25 Years	R21 528 784,31
IRR	49%
NPV at a 10% Discount Rate	R4 759 487,18
NPV as ROI %	277%
Extended Warranty to 20 Years for Inverters	
R48 000,00	

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.