



# CASE STUDY

PACKHOUSE

Solar Solutions  
**Simplified & Guaranteed**



## The Solution

image: Freepik.com

SolarEdge Grid-Tied Inverter System: 103.7kWp - No Throttling of Solar Produced	
Size of Solar PV Solution - Consumption is Seasonal (System Sizing Critical)	103.7kWp
Turnkey Project Cost - Site Specific and Roof or Ground Mount Dependent	R1 093 717,86
Rand per Watt - Rooftop System	R10,55
Payback Period	3 years 9 months
Year 1 Depreciation - 100% - Effective 28% Tax Benefit	R306 241,00
Month 1 Saving	R16 896,29
Current Blended Utility Tariff - Typically Eskom Ruraflex	R1,27
Solar PV Levelised Cost of Electricity	R0,59
Year 25 Blended Utility Tariff - 8% Increase per Annum	R8,05
Year 25 Solar PV Levelised Cost of Electricity	R0,59
ROI in Year 1	26% and increasing
Cumulative Saving over 25 Years	R11 751 146,41
IRR	41%
NPV at a 10% Discount Rate	R2 526 207,22
NPV as ROI %	231%
Extended Warranty to 20 Years for Inverters	
R25 500,00	

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.