

SOLAR SYSTEM CUSTOMER PROPOSAL



PREPARED FOR:

Proposal Example



PROJECT LOCATION:

**153 Cornelis St, Fairland, Randburg, 2030,
South Africa**



Zeroth Energy, Unit 1, Pendoring Office Park, 299 Pendoring Road, Blackheath
Johannesburg, South Africa



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PROPOSED PV SYSTEM

YOUR CURRENT ELECTRICITY BILL

48000.00 zar/year

4000.00 zar/mth

Price of 1kWh of electricity = 2.00 zar

- ▶ Predicted annual **increase** of energy price = **10.0%**
- ▶ Predicted price of 1kWh of energy in **20 years** = **12.23 zar**
- ▶ Your current **CO² emission** = **26232 kg/year**

RECOMMENDED SIZE OF PV SYSTEM

10.05 kWp

Occupied
area

59 m²

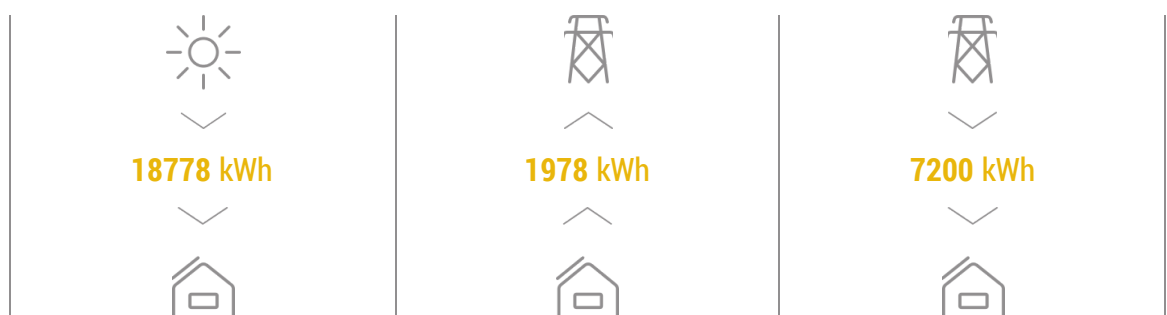
Estimated annual production **18778 kWh**



Annual consumption **24000 kWh**



ENERGY BALANCE



PV SYSTEM DESIGN

VISUALIZATION



NUMBER
OF MODULES

30 pcs



SYSTEM
POWER

10.00 kWp



CUSTOMER PROPOSAL

ESTIMATE

PANELS

Name	Amount	Unit
Canadian Solar Inc., DYMOND CS6X-335P-FG	30	pcs
Details Solar Panel Website Link: https://www.canadiansolar.com/en		

INVERTERS

Name	Amount	Unit
SolarEdge Technologies, SolarEdge 9kW Inverter HD Wave	1	szt.
Details Inverter Data Link: https://www.solaredge.com/products/pv-inverter/single-phase HD WAVE can be 155% oversized and will handle 10kW of solar capacity.		

OTHERS

Name	Amount	Unit
Installation	1.000	
Details Mounting Structures, CoC, Labor, 2 Year Workmanship Warranty on Labor, 2 day Installation, AC/DC Cabling, Solar Set-up, Inverter Set-up, Monitoring Connection and Set-up		
Name	Amount	Unit
2 Year Maintenance Contract	1.000	
Details Monthly Solar System Maintenance for 24 months		
Name	Amount	Unit
Power Optimizer SolarEdge	30.000	szt.
Details The SolarEdge power optimizers increase energy output from PV systems by constantly tracking the maximum power point (MPPT) of each module. Website Link: https://www.solaredge.com/products/power-optimizer		

CUSTOMER PROPOSAL

Name	Amount	Unit
SolarEdge Monitoring	1.000	Szt.

Details

Monitoring Portal Website: <https://monitoring.solaredge.com/>

Notes

80% Deposit required to book installation.

Net sum	149367.00 zar
Tax sum	22405.05 zar
Gross sum	171772.05 zar
Total price	171772.05 zar

ACCUMULATED CASH FLOW

CASH FLOW

Year	Production [kWh]	Savings [ZAR]	Cash flow [ZAR]	Electricity bill without PV [ZAR]	Electricity bill with PV [ZAR]
1	18778.10	33600.00	-138172.05	48000.00	14400.00
2	18665.40	36960.00	-101212.05	52800.00	15840.00
3	18553.40	40656.00	-60556.05	58080.00	17424.00
4	18442.10	44721.60	-15834.45	63888.00	19166.40
5	18331.50	49193.76	33359.31	70276.80	21083.04
6	18221.50	54113.14	87472.45	77304.48	23191.34
7	18112.10	59524.45	146996.90	85034.93	25510.48
8	18003.50	65476.89	212473.79	93538.42	28061.53
9	17895.50	72024.58	284498.37	102892.26	30867.68
10	17788.10	79227.04	363725.42	113181.49	33954.45
11	17681.40	87149.75	450875.16	124499.64	37349.89
12	17575.30	95864.72	546739.88	136949.60	41084.88
13	17469.80	105451.19	652191.08	150644.56	45193.37
14	17365.00	115996.31	768187.39	165709.02	49712.71
15	17260.80	127595.94	895783.33	182279.92	54683.98
16	17157.20	140355.54	1036138.87	200507.91	60152.37
17	17054.30	154391.09	1190529.97	220558.70	66167.61
18	16952.00	169830.20	1360360.17	242614.57	72784.37
19	16850.30	186813.22	1547173.39	266876.03	80062.81
20	16749.20	204872.64	1752046.03	293563.63	88690.99

ACCUMULATED CASH FLOW

VISUALIZATION

