

.50 w Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Costs calculated only apply to the Helderberg basin area.

Year	Ave Sun hr Day	kW	kWh Prod Dialy	Rands per Day Day	Rands per Month Month	Rands per Month Year	Rands acc Per Year	Year	8% increase Elec Cost
1	5.50	0.50	2.75	4.51	139.81	1677.72	1677.72	2014	1.64
2	5.50	0.50	2.75	4.87	150.89	1810.71	3488.43	2015	1.77
3	5.50	0.50	2.75	5.25	162.83	1953.93	5442.36	2016	1.91
4	5.50	0.50	2.75	5.67	175.62	2107.38	7549.74	2017	2.06
5	5.50	0.50	2.75	7.65	237.00	2843.94	10393.68	2018	2.78
6	5.50	0.50	2.75	8.25	255.75	3069.00	13462.68	2019	3.00
7	5.50	0.50	2.75	8.94	277.06	3324.75	16787.43	2020	3.25
8	5.50	0.50	2.75	9.65	299.23	3590.73	20378.16	2021	3.51
9	5.50	0.50	2.75	11.25	348.67	4184.07	4184.07	2022	4.09
10	5.50	0.50	2.75	12.16	376.81	4521.66	8705.73	2023	4.42
11	5.50	0.50	2.75	13.15	407.50	4889.94	13595.67	2024	4.78
12	5.50	0.50	2.75	14.19	439.89	5278.68	18874.35	2025	5.16
13	5.50	0.50	2.75	15.37	476.55	5718.57	24592.92	2026	5.59
14	5.50	0.50	2.75	16.58	514.06	6168.69	30761.61	2027	6.03
15	5.50	0.50	2.75	17.93	555.83	6669.96	37431.57	2028	6.52
16	5.50	0.50	2.75	19.36	600.16	7201.92	44633.49	2029	7.04
17	5.50	0.50	2.75	20.90	647.90	7774.80	52408.29	2030	7.60
18	5.50	0.50	2.75	22.58	699.90	8398.83	60807.12	2031	8.21
19	5.50	0.50	2.75	24.39	756.17	9074.01	69881.13	2032	8.87
20	5.50	0.50	2.75	26.32	815.84	9790.11	79671.24	2033	9.57

1.0 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun hr Day	kW	kWh Prod Dialy	Rands per Day Day	Rands per Month Month	Rands per Month Year	Rands acc Per Year	Year	8% increase Elec Cost
1	5.50	1.00	5.50	9.02	279.62	3355.44	3355.44	2014	1.64
2	5.50	1.00	5.50	9.74	301.79	3621.42	6976.86	2015	1.77
3	5.50	1.00	5.50	10.51	325.66	3907.86	10884.72	2016	1.91
4	5.50	1.00	5.50	11.33	351.23	4214.76	15099.48	2017	2.06
5	5.50	1.00	5.50	15.29	473.99	5687.88	20787.36	2018	2.78
6	5.50	1.00	5.50	16.50	511.50	6138.00	26925.36	2019	3.00
7	5.50	1.00	5.50	17.88	554.13	6649.50	33574.86	2020	3.25
8	5.50	1.00	5.50	19.31	598.46	7181.46	7181.46	2021	3.51
9	5.50	1.00	5.50	22.50	697.35	8368.14	15549.60	2022	4.09
10	5.50	1.00	5.50	24.31	753.61	9043.32	24592.92	2023	4.42
11	5.50	1.00	5.50	26.29	814.99	9779.88	34372.80	2024	4.78
12	5.50	1.00	5.50	28.38	879.78	10557.36	44930.16	2025	5.16
13	5.50	1.00	5.50	30.75	953.10	11437.14	56367.30	2026	5.59
14	5.50	1.00	5.50	33.17	1028.12	12337.38	68704.68	2027	6.03
15	5.50	1.00	5.50	35.86	1111.66	13339.92	82044.60	2028	6.52
16	5.50	1.00	5.50	38.72	1200.32	14403.84	96448.44	2029	7.04
17	5.50	1.00	5.50	41.80	1295.80	15549.60	111998.04	2030	7.60
18	5.50	1.00	5.50	45.16	1399.81	16797.66	128795.70	2031	8.21
19	5.50	1.00	5.50	48.79	1512.34	18148.02	146943.72	2032	8.87
20	5.50	1.00	5.50	52.64	1631.69	19580.22	166523.94	2033	9.57

1.5 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun hr Day	kW	kWh Prod Dialy	Rands per Day Day	Rands per Month Month	Rands per Month Year	Rands acc Per Year	Year	8% increase Elec Cost
1	5.50	1.50	8.25	13.53	419.43	5033.16	5033.16	2014	1.64
2	5.50	1.50	8.25	14.60	452.68	5432.13	10465.29	2015	1.77
3	5.50	1.50	8.25	15.76	488.48	5861.79	16327.08	2016	1.91
4	5.50	1.50	8.25	17.00	526.85	6322.14	22649.22	2017	2.06
5	5.50	1.50	8.25	22.94	710.99	8531.82	31181.04	2018	2.78
6	5.50	1.50	8.25	24.75	767.25	9207.00	40388.04	2019	3.00
7	5.50	1.50	8.25	26.81	831.19	9974.25	9974.25	2020	3.25
8	5.50	1.50	8.25	28.96	897.68	10772.19	20746.44	2021	3.51
9	5.50	1.50	8.25	33.74	1046.02	12552.21	33298.65	2022	4.09
10	5.50	1.50	8.25	36.47	1130.42	13564.98	46863.63	2023	4.42
11	5.50	1.50	8.25	39.44	1222.49	14669.82	61533.45	2024	4.78
12	5.50	1.50	8.25	42.57	1319.67	15836.04	77369.49	2025	5.16
13	5.50	1.50	8.25	46.12	1429.64	17155.71	94525.20	2026	5.59
14	5.50	1.50	8.25	49.75	1542.17	18506.07	113031.27	2027	6.03
15	5.50	1.50	8.25	53.79	1667.49	20009.88	133041.15	2028	6.52
16	5.50	1.50	8.25	58.08	1800.48	21605.76	154646.91	2029	7.04
17	5.50	1.50	8.25	62.70	1943.70	23324.40	177971.31	2030	7.60
18	5.50	1.50	8.25	67.73	2099.71	25196.49	203167.80	2031	8.21
19	5.50	1.50	8.25	73.18	2268.50	27222.03	230389.83	2032	8.87

20	5.50	1.50	8.25	78.95	2447.53	29370.33	259760.16	2033	9.57
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2.0 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	2.0	11.00	18.04	559.24	6710.88	6710.88	2014	1.64
2	5.50	2.0	11.00	19.47	603.57	7242.84	13953.72	2015	1.77
3	5.50	2.0	11.00	21.01	651.31	7815.72	21769.44	2016	1.91
4	5.50	2.0	11.00	22.66	702.46	8429.52	30198.96	2017	2.06
5	5.50	2.0	11.00	30.58	947.98	11375.76	41574.72	2018	2.78
6	5.50	2.0	11.00	33.00	1023.00	12276.00	53850.72	2019	3.00
7	5.50	2.0	11.00	35.75	1108.25	13299.00	13229.00	2020	3.25
8	5.50	2.0	11.00	38.61	1196.91	14362.92	27661.92	2021	3.51
9	5.50	2.0	11.00	44.99	1394.69	16736.28	44398.20	2022	4.09
10	5.50	2.0	11.00	48.62	1507.22	18086.64	62484.84	2023	4.42
11	5.50	2.0	11.00	52.58	1629.98	19559.76	82044.60	2024	4.78
12	5.50	2.0	11.00	56.76	1759.56	21114.72	103159.32	2025	5.16
13	5.50	2.0	11.00	61.49	1906.19	22874.28	126033.60	2026	5.59
14	5.50	2.0	11.00	66.33	2056.23	24674.76	150708.36	2027	6.03
15	5.50	2.0	11.00	71.72	2223.32	26679.84	177388.20	2028	6.52
16	5.50	2.0	11.00	77.44	2400.64	28807.68	206195.88	2029	7.04
17	5.50	2.0	11.00	83.60	2591.60	31099.20	237295.08	2030	7.60
18	5.50	2.0	11.00	90.31	2799.61	33595.32	270890.40	2031	8.21
19	5.50	2.0	11.00	97.57	3024.67	36296.04	307186.44	2032	8.87
20	5.50	2.0	11.00	105.27	3263.37	39160.44	346346.88	2033	9.57

2.5 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	2.5	13.75	22.55	699.05	8388.60	8388.60	2014	1.64
2	5.50	2.5	13.75	24.34	754.46	9053.55	17442.15	2015	1.77
3	5.50	2.5	13.75	26.26	814.14	9769.65	27211.80	2016	1.91
4	5.50	2.5	13.75	28.33	878.08	10536.90	37748.70	2017	2.06
5	5.50	2.5	13.75	38.23	1184.98	14219.70	51968.40	2018	2.78
6	5.50	2.5	13.75	41.25	1278.75	15345.00	67313.40	2019	3.00
7	5.50	2.5	13.75	44.69	1385.31	16623.75	16623.75	2020	3.25
8	5.50	2.5	13.75	48.26	1496.14	17953.65	34577.40	2021	3.51
9	5.50	2.5	13.75	56.24	1743.36	20920.35	55497.75	2022	4.09
10	5.50	2.5	13.75	60.78	1884.03	22608.30	78106.05	2023	4.42
11	5.50	2.5	13.75	65.73	2037.48	24449.70	102555.75	2024	4.78
12	5.50	2.5	13.75	70.95	2199.45	26393.40	128949.15	2025	5.16
13	5.50	2.5	13.75	76.86	2382.74	28592.85	157542.00	2026	5.59
14	5.50	2.5	13.75	82.91	2570.29	30843.45	188385.45	2027	6.03
15	5.50	2.5	13.75	89.65	2779.15	33349.80	221735.25	2028	6.52
16	5.50	2.5	13.75	96.80	3000.80	36009.60	257744.85	2029	7.04
17	5.50	2.5	13.75	104.50	3239.50	38874.00	296618.85	2030	7.60
18	5.50	2.5	13.75	112.89	3499.51	41994.15	338613.00	2031	8.21
19	5.50	2.5	13.75	121.96	3780.84	45370.05	383983.05	2032	8.87
20	5.50	2.5	13.75	131.59	4079.21	48950.55	432933.60	2033	9.57

3.0 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	3.0	16.50	27.06	838.86	10066.32	10066.32	2014	1.64
2	5.50	3.0	16.50	29.21	905.36	10864.26	20930.58	2015	1.77
3	5.50	3.0	16.50	31.52	976.97	11723.58	32654.16	2016	1.91
4	5.50	3.0	16.50	33.99	1053.69	12644.28	45298.44	2017	2.06
5	5.50	3.0	16.50	45.87	1421.97	17063.64	62362.08	2018	2.78
6	5.50	3.0	16.50	49.50	1534.50	18414.00	80776.08	2019	3.00
7	5.50	3.0	16.50	53.63	1662.38	19948.50	19948.50	2020	3.25
8	5.50	3.0	16.50	57.92	1795.37	21544.38	41492.88	2021	3.51
9	5.50	3.0	16.50	67.49	2092.04	25104.42	66597.30	2022	4.09
10	5.50	3.0	16.50	72.93	2260.83	27129.96	93727.26	2023	4.42
11	5.50	3.0	16.50	78.87	2444.97	29339.64	123066.90	2024	4.78
12	5.50	3.0	16.50	85.14	2639.34	31672.08	154738.98	2025	5.16
13	5.50	3.0	16.50	92.24	2859.29	34311.42	189050.40	2026	5.59
14	5.50	3.0	16.50	99.50	3084.35	37012.14	226062.54	2027	6.03
15	5.50	3.0	16.50	107.58	3334.98	40019.76	266082.30	2028	6.52
16	5.50	3.0	16.50	116.16	3600.96	43211.52	309293.82	2029	7.04
17	5.50	3.0	16.50	125.40	3887.40	46648.80	355942.62	2030	7.60
18	5.50	3.0	16.50	135.47	4199.42	50392.98	406335.60	2031	8.21
19	5.50	3.0	16.50	146.36	4537.01	54444.06	460779.66	2032	8.87
20	5.50	3.0	16.50	157.91	4895.06	58740.66	519520.32	2033	9.57

3.5 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	3.5	19.25	31.57	978.67	11744.04	11744.04	2014	1.64
2	5.50	3.5	19.25	34.07	1056.25	12674.97	24419.01	2015	1.77
3	5.50	3.5	19.25	36.77	1139.79	13677.51	38096.52	2016	1.91
4	5.50	3.5	19.25	39.66	1229.31	14751.66	52848.18	2017	2.06
5	5.50	3.5	19.25	53.52	1658.97	19907.58	72755.76	2018	2.78
6	5.50	3.5	19.25	57.75	1790.25	21483.00	94238.76	2019	3.00
7	5.50	3.5	19.25	62.56	1939.44	23273.25	23273.25	2020	3.25
8	5.50	3.5	19.25	67.57	2094.59	25135.11	48408.36	2021	3.51
9	5.50	3.5	19.25	78.73	2440.71	29288.49	77696.85	2022	4.09
10	5.50	3.5	19.25	85.09	2637.64	31651.62	109348.47	2023	4.42
11	5.50	3.5	19.25	92.02	2852.47	34229.58	143578.05	2024	4.78
12	5.50	3.5	19.25	99.33	3079.23	36950.76	180528.81	2025	5.16
13	5.50	3.5	19.25	107.61	3335.83	40029.99	220558.80	2026	5.59
14	5.50	3.5	19.25	116.08	3598.40	43180.83	263739.63	2027	6.03
15	5.50	3.5	19.25	125.51	3890.81	46689.72	310429.35	2028	6.52
16	5.50	3.5	19.25	135.52	4201.12	50413.44	360842.79	2029	7.04
17	5.50	3.5	19.25	146.30	4535.30	54423.60	415266.39	2030	7.60
18	5.50	3.5	19.25	158.04	4899.32	58791.81	474058.20	2031	8.21
19	5.50	3.5	19.25	170.75	5293.17	63518.07	537576.27	2032	8.87
20	5.50	3.5	19.25	184.22	5710.90	68530.77	606107.04	2033	9.57

4.0 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	4.0	22.00	36.08	1118.48	13421.76	13421.76	2014	1.64
2	5.50	4.0	22.00	38.94	1207.14	14485.68	27907.44	2015	1.77
3	5.50	4.0	22.00	42.02	1302.62	15631.44	43538.88	2016	1.91
4	5.50	4.0	22.00	45.32	1404.92	16859.04	60397.92	2017	2.06
5	5.50	4.0	22.00	61.16	1895.96	22751.52	83149.44	2018	2.78
6	5.50	4.0	22.00	66.00	2046.00	24552.00	107701.44	2019	3.00
7	5.50	4.0	22.00	71.50	2216.50	26598.00	26598.00	2020	3.25
8	5.50	4.0	22.00	77.22	2393.82	28725.84	55323.84	2021	3.51
9	5.50	4.0	22.00	89.98	2789.38	33472.56	88796.40	2022	4.09
10	5.50	4.0	22.00	97.24	3014.44	36173.28	124969.68	2023	4.42
11	5.50	4.0	22.00	105.16	3259.96	39119.52	164089.20	2024	4.78
12	5.50	4.0	22.00	113.52	3519.12	42229.44	206318.64	2025	5.16
13	5.50	4.0	22.00	122.98	3812.38	45748.56	252067.20	2026	5.59
14	5.50	4.0	22.00	132.66	4112.46	49349.52	301416.72	2027	6.03
15	5.50	4.0	22.00	143.44	4446.64	53359.68	354776.40	2028	6.52
16	5.50	4.0	22.00	154.88	4801.28	57615.36	412391.76	2029	7.04
17	5.50	4.0	22.00	167.20	5183.20	62198.40	474590.16	2030	7.60
18	5.50	4.0	22.00	180.62	5599.22	67190.64	541780.80	2031	8.21
19	5.50	4.0	22.00	195.14	6049.34	72592.08	614372.88	2032	8.87
20	5.50	4.0	22.00	210.54	6526.74	78320.88	692693.76	2033	9.57

4.5 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	4.5	24.75	40.59	1258.29	15099.48	15099.48	2014	1.64
2	5.50	4.5	24.75	43.81	1358.03	16296.39	31395.87	2015	1.77
3	5.50	4.5	24.75	47.27	1465.45	17585.37	48981.24	2016	1.91
4	5.50	4.5	24.75	50.99	1580.54	18966.42	67947.66	2017	2.06
5	5.50	4.5	24.75	68.81	2132.96	25595.46	93543.12	2018	2.78
6	5.50	4.5	24.75	74.25	2301.75	27621.00	121164.12	2019	3.00
7	5.50	4.5	24.75	80.44	2493.56	29922.75	29922.75	2020	3.25
8	5.50	4.5	24.75	86.87	2693.05	32316.57	62239.32	2021	3.51
9	5.50	4.5	24.75	101.23	3138.05	37656.63	99895.95	2022	4.09
10	5.50	4.5	24.75	109.40	3391.25	40694.94	140590.89	2023	4.42
11	5.50	4.5	24.75	118.31	3667.46	44009.46	184600.35	2024	4.78
12	5.50	4.5	24.75	127.71	3959.01	47508.12	232108.47	2025	5.16
13	5.50	4.5	24.75	138.35	4288.93	51467.13	283575.60	2026	5.59
14	5.50	4.5	24.75	149.24	4626.52	55518.21	339093.81	2027	6.03
15	5.50	4.5	24.75	161.37	5002.47	60029.64	399123.45	2028	6.52
16	5.50	4.5	24.75	174.24	5401.44	64817.28	463940.73	2029	7.04
17	5.50	4.5	24.75	188.10	5831.10	69973.20	533913.93	2030	7.60
18	5.50	4.5	24.75	203.20	6299.12	75589.47	609503.40	2031	8.21
19	5.50	4.5	24.75	219.53	6805.51	81666.09	691169.49	2032	8.87
20	5.50	4.5	24.75	236.86	7342.58	88110.99	779280.48	2033	9.57

5.0 kW Grid tie System

RED FIGURES PAY BACK

BLUE FIGURE IS BREAK - EVEN

Savings on your electricity costs

Year	Ave Sun	kW	kWh	Rands per Day	Rands per Month	Rands per Month	Rands acc	Year	8% increase
1	5.50	5.0	27.50	45.10	1398.10	16777.20	16777.20	2014	1.64
2	5.50	5.0	27.50	48.68	1508.93	18107.10	34884.30	2015	1.77
3	5.50	5.0	27.50	52.53	1628.28	19539.30	54423.60	2016	1.91
4	5.50	5.0	27.50	56.65	1756.15	21073.80	75497.40	2017	2.06
5	5.50	5.0	27.50	76.45	2369.95	28439.40	103936.80	2018	2.78
6	5.50	5.0	27.50	82.50	2557.50	30690.00	134626.80	2019	3.00
7	5.50	5.0	27.50	89.38	2770.63	33247.50	33247.50	2020	3.25
8	5.50	5.0	27.50	96.53	2992.28	35907.30	69154.80	2021	3.51
9	5.50	5.0	27.50	112.48	3486.73	41840.70	110995.50	2022	4.09
10	5.50	5.0	27.50	121.55	3768.05	45216.60	156212.10	2023	4.42
11	5.50	5.0	27.50	131.45	4074.95	48899.40	205111.50	2024	4.78
12	5.50	5.0	27.50	141.90	4398.90	52786.80	257898.30	2025	5.16
13	5.50	5.0	27.50	153.73	4765.48	57185.70	315084.00	2026	5.59
14	5.50	5.0	27.50	165.83	5140.58	61686.90	376770.90	2027	6.03
15	5.50	5.0	27.50	179.30	5558.30	66699.60	443470.50	2028	6.52
16	5.50	5.0	27.50	193.60	6001.60	72019.20	515489.70	2029	7.04
17	5.50	5.0	27.50	209.00	6479.00	77748.00	593237.70	2030	7.60
18	5.50	5.0	27.50	225.78	6999.03	83988.30	677226.00	2031	8.21
19	5.50	5.0	27.50	243.93	7561.68	90740.10	767966.10	2032	8.87

20	5.50	5.0	27.50	263.18	8158.43	97901.10	865867.20	2033	9.57
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