

Systems can be designed for your specific needs. Systems below include all equipment, accessories, fixtures, cable, breakers, etc. and installation where specified. Please request detailed quotation for systems, which will suite your needs. Prices will be fixed after more detail is available but preferably after a site visit.

Prices are subject to change without prior notification

- Unfortunately we only install what we supply!

02 June 2020

Systems with other Lithium batteries, Gel batteries and POLY Panels on request

Hybrid Inverter 5kVA/5kW

Approximate Monthly Usage & Generation		Total Installed Cost (VAT Incl)	Batteries and Capacity		Panels and Axpert Inverters
DYNNESS Batteries	PYLON Batteries				
1	Potential Generation or Usage ≈ 158 kWh/mth (5 kWh/day)	R56,559	R58,682	1 x 2.4kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 1.9 kW Battery Backup	3 x 330 Watt Poly Panels (1 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
2	Potential Generation or Usage ≈ 158 kWh/mth (5 kWh/day)	R63,688	R66,875	1 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 2.8 kW Battery Backup	3 x 330 Watt Poly Panels (1 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
3	Potential Generation or Usage ≈ 316 kWh/mth (10 kWh/day)	R63,688	R66,875	1 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 2.8 kW Battery Backup	6 x 330 Watt Poly Panels (2 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
4	Potential Generation or Usage ≈ 316 kWh/mth (10 kWh/day)	R99,676	R106,049	2 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 5.6 kW Battery Backup	6 x 330 Watt Poly Panels (2 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
5	Potential Generation or Usage ≈ 474 kWh/mth (16 kWh/day)	R130,288	R143,255	2 x 3.5 plus 1 x 2.4kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Eff. 7.5 kW Battery Backup	9 x 330 Watt Poly Panels (3 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
6	Potential Generation or Usage ≈ 474 kWh/mth (16 kWh/day)	R136,018	R145,578	3 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 8.4 kW Battery Backup	9 x 330 Watt Poly Panels (3 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
7	Potential Generation or Usage ≈ 632 kWh/mth (21 kWh/day)	R166,555	R182,708	3 x 3.5 plus 1 x 2.4kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Eff. 10.3 kW Battery Backup	12 x 330 Watt Poly Panels (4 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
8	Potential Generation or Usage ≈ 632 kWh/mth (21 kWh/day)	R171,921	R184,668	4 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 11.2 kW Battery Backup	12 x 330 Watt Poly Panels (4 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
9	Potential Generation or Usage ≈ 790 kWh/mth (26 kWh/day)	R220,536	R239,876	4 x 3.5 plus 1 x 2.4kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Eff. 13.1 kW Battery Backup	15 x 330 Watt Poly Panels (5 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
10	Potential Generation or Usage ≈ 790 kWh/mth (26 kWh/day)	R225,988	R241,921	5 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 14 kW Battery Backup	15 x 330 Watt Poly Panels (5 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
11	Potential Generation or Usage ≈ 949 kWh/mth (31 kWh/day)	R258,029	R280,557	5 x 3.5 plus 1 x 2.4kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Eff. 15.9 kW Battery Backup	18 x 330 Watt Poly Panels (5.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
12	Potential Generation or Usage ≈ 949 kWh/mth (31 kWh/day)	R261,778	R280,899	6 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 16.8 kW Battery Backup	18 x 330 Watt Poly Panels (5.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
13	Potential Generation or Usage ≈ 1107 kWh/mth (36 kWh/day)	R296,978	R319,285	7 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 19.6 kW Battery Backup	21 x 330 Watt Poly Panels (6.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
14	Potential Generation or Usage ≈ 1265 kWh/mth (42 kWh/day)	R332,239	R357,733	8 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 22.4 kW Battery Backup	24 x 330 Watt Poly Panels (7.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
15	Potential Generation or Usage ≈ 1423 kWh/mth (47 kWh/day)	R385,240	R413,921	9 x 3.5kWh 0.5C Li-Ion Battery 48V (Design life >16yrs) Effectively 25.2 kW Battery Backup	27 x 330 Watt Poly Panels (8.9 kW/hr), 3 x 5kW Axpert Inverter - Max 15kW

Following systems are equipped with **Average** Lithium batteries, which can be drained to 100% Depth of Discharge (DoD).

At 80% DoD battery life is 6,000 cycles. Average is a 1C battery, to draw maximum power from these batteries.

17 Ave rge	Potential Generation or Usage ≈ 158 kWh/mth (5 kWh/day)	R56,883	1 x 2.4 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 2.2 kW Battery Backup	3 x 330 Watt Poly Panels (1 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
18 Ave rge	Potential Generation or Usage ≈ 316 kWh/mth (10 kWh/day)	R84,979	2 x 2.4 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 4.3 kW Battery Backup	6 x 330 Watt Poly Panels (2 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
19 Ave rge	Potential Generation or Usage ≈ 474 kWh/mth (16 kWh/day)	R106,176	1 x 4.8 plus 1 x 2.4kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 6.5 kW Battery Backup	9 x 330 Watt Poly Panels (3 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
20 Ave rge	Potential Generation or Usage ≈ 474 kWh/mth (16 kWh/day)	R118,015	2 x 4.8 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 8.6 kW Battery Backup	9 x 330 Watt Poly Panels (3 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
21 Ave rge	Potential Generation or Usage ≈ 632 kWh/mth (21 kWh/day)	R146,027	2 x 4.8 plus 1 x 2.4kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 10.8 kW Battery Backup	12 x 330 Watt Poly Panels (4 kW/hr), 1 x 5kW Axpert Inverter - Max 5kW
22 Ave rge	Potential Generation or Usage ≈ 790 kWh/mth (26 kWh/day)	R184,903	3 x 4.8 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 13 kW Battery Backup	15 x 330 Watt Poly Panels (5 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
23 Ave rge	Potential Generation or Usage ≈ 949 kWh/mth (31 kWh/day)	R213,297	3 x 4.8 plus 1 x 2.4kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 15.1 kW Battery Backup	18 x 330 Watt Poly Panels (5.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
24 Ave rge	Potential Generation or Usage ≈ 1107 kWh/mth (36 kWh/day)	R234,547	4 x 4.8 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 17.3 kW Battery Backup	21 x 330 Watt Poly Panels (6.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
25 Ave rge	Potential Generation or Usage ≈ 1265 kWh/mth (42 kWh/day)	R274,392	5 x 4.8 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 21.6 kW Battery Backup	24 x 330 Watt Poly Panels (7.9 kW/hr), 2 x 5kW Axpert Inverter - Max 10kW
26 Ave rge	Potential Generation or Usage ≈ 1581 kWh/mth (52 kWh/day)	R339,244	6 x 4.8 plus kWh Average Li-Ion Battery 48V (Design life >16yrs) Eff. 25.9 kW Battery Backup	30 x 330 Watt Poly Panels (9.9 kW/hr), 3 x 5kW Axpert Inverter - Max 15kW

Tiny/Small Gel battery systems

A	For ≈ Small Entertainment Kit, Small TV & Cell phone charge	R 10,257	1 x 160 Watt Poly Panels (0.2 kW/hr), 1 x Deep Cycle 102Ah 12V Fully Sealed AGM/EL, 0.5 kW battery backup (Total 26Ah), 1 x JUTA W220 - Modified Sinewave Inverter, Potential Generation ≈ 26 kWh/mth
B	For ≈ Small TV, Small fridge, 3 x 6W globes & cell phone charge	R 24,867	2 x 160 Watt Poly Panels (0.3 kW/hr), 2 x Deep Cycle 102Ah 12V Fully Sealed AGM/EL, 1 kW battery backup (Total 102Ah), 1 x Mecor, Axpert 1500VA/1200W Inverter Charger 500W MPPT 220V 12V DC, Potential Generation ≈ 51 kWh/mth
C	For ≈ Medium TV, Small fridge, 5 x 6W globes & cell phone charge	R 30,686	4 x 160 Watt Poly Panels (0.6 kW/hr), 2 x Oliter Deep Cycle 200Ah 12V Fully Sealed Gel, 1.9 kW battery backup (Total 200Ah), 1 x Mecor, Axpert 1500VA/1200W Inverter Charger 500W MPPT 220V 12V DC, Potential Generation ≈ 102 kWh/mth
D	Generation or Usage ≈ 102 kWh/mth (3 kWh/day)	R 39,001	4 x 160 Watt Poly Panels (0.6 kW/hr), 4 x Deep Cycle 102Ah 12V Fully Sealed AGM/EL, 2 kW battery backup (Total 102Ah), 1 x Mecor, Axpert 3000VA/2400W Inverter Charger 1,500W MPPT 220V 24V DC, Potential Generation ≈ 102 kWh/mth
E	Generation or Usage ≈ 214 kWh/mth (7 kWh/day)	R 48,456	4 x 330 Watt Poly Panels (1.3 kW/hr), 4 x Oliter Deep Cycle 200Ah 12V Fully Sealed Gel, 3.8 kW battery backup (Total 200Ah), 1 x Mecor, Axpert 3000VA/2400W Inverter Charger 1,500W MPPT 220V 24V DC, Potential Generation ≈ 211 kWh/mth

VAT Excluded	1) Poly Panels larger than 300W	≈R6.37 per Watt	9) 102Ah 12V Fully Sealed GEL battery	R3,625
	2) Monocrystalline Solar Panels	≈R7.59 per Watt	10) 200Ah 12V Fully Sealed Gel battery	R4,780
	3) Raspberry Pi, ICC software & cable	R3,887	11) 230Ah 12V Deep Cycle Lead acid battery	R4,475
	4) Pylon 2.4kWh Lithium-Ion Battery 48Vdc	R18,167	12) Axpert 5kVA/5kW Inverter 4,000W MPPT	R14,843
	5) Pylon 3.5kWh Lithium-Ion Battery 48Vdc	R25,291	13) Axpert 5kVA/4kW Inverter 4,000W MPPT	R10,231
	6) Dyness 2.4kWh Lithium Battery 48Vdc	R16,321	14) Growatt 48V, 5kW Inverter, SPF 5000 TL, WIFI, 2 year warranty	R14,817
	7) Dyness 3.5kWh Lithium Battery 48Vdc	R22,520	15) Deye SUN-5K-SG01LP1-EU-B 48V, 5kW Inverter, 5 yr war, NRS	R26,384
	8) Dyness 9.6kWh Lithium Power Box 48Vdc	R71,356	16) Deye SUN-8K-SG01LP1-EU-B 48V, 5kW Inverter, 5 yr war, NRS	R42,392