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**ELECTRILABS**  
 EST. 1999  (Pty) Ltd

## 3000 XL OFF-GRID SOLAR POWER D.I.Y KIT

Typical load: 3 Bedroom House - 8 LED lights, TV/Sound System, Phone chargers, A++ AC fridge/freezer/1KW Microwave/1KW Kettle

#	Web Site	Model	Description	Qty	Unit Price	PRICE
<b>A - Solar system</b>						
1	<a href="#">See Picture</a>	PV-0-M240MG-EU	Eging Mono 250Watt PV Panels	12	\$234.92	\$2 819.10
2	<a href="#">See Picture</a>	AXPERT-3000-PLUS	Axpert MKS Hybrid / Off Grid 3K-48 Plus - Pure Sinewave Solar Inverter with AC & generator backup inputs, PV input 60-115VDC , 3000W/60A MPPT Solar Battery Charger, Battery bank 48VDC	1	\$503.54	\$503.54
3	<a href="#">See Picture</a>	ISC3030	Maxi ISC30 Deluxe 12V/24V 30AMP output Solar System Controller with LCD Display	0	\$95.74	\$0.00
4	<a href="#">See Picture</a>	6mm TUV solar	6mm TUV Solar Cable	45	\$2.03	\$91.51
5	<a href="#">See Picture</a>	MC4 connect	Pure solar MC4 Connectors with IP65 protection	22	\$1.95	\$42.97
6	<a href="#">See Picture</a>	MC4 Branch	Branch connectors for series coupling	0	\$5.94	\$0.00
7	<a href="#">See Picture</a>	Crimp-PV-001	PV Crimping Tool - Optional	0	\$44.42	\$0.00
						<b>\$3 457.12</b>
<b>B - Batteries</b>						
8	<a href="#">See Picture</a>	Lugs 10mm/16mm	Lugs 10mm/16mm - DC Battery connectors	16	\$0.74	\$11.82
9	<a href="#">See Picture</a>	BAT-C-010	10mm Battery cable (7m RED + 7m BLACK)	16	\$4.98	\$79.65
10	<a href="#">See Picture</a>	NG12-100x	12V - 100AH Solar Battery -12 Year Design Life - <b>(Consider adding 4 batteries which will increase your battery life from ±5 to ±12 years or give you more run-time)</b>	16	\$162.02	\$2 592.35
11	<a href="#">See Picture</a>	Battery Frame	Battery stand	1	\$188.05	\$188.05
						<b>\$2 871.88</b>
<b>C - AC Power components</b>						
12	<a href="#">See Picture</a>	DB Readyboard	12pc surfacemount DB readyboard complete with 32A Earth leakage and 4 x 5A AC breakers	1	\$131.59	\$131.59
13	<a href="#">See Picture</a>	DC 600	2 pole DC Beakers 600VDC 60A	2	\$26.42	\$52.84
14	<a href="#">See Picture</a>	AC Cable 4mm	Red & black and earth AC cable from solar DB to main -4mm	5	\$2.58	\$12.88
15	<a href="#">See Picture</a>	Surge Protec	Surge Protection - Optional	1	\$93.13	\$93.13
16	<a href="#">See Picture</a>	Earth solar	Separate earth spike and 2mm earth wire (30m) for solar system	1	\$76.19	\$76.19
17	<a href="#">See Picture</a>	Trucking/conduit	3 m Trucking 40x40 inc Consumables (Fischer plugs, Hilti Screws etc)	1	\$28.91	\$28.91
						<b>\$395.55</b>
<b>D - Panel Mounting Frame - Flat Roof</b>						
18a	<a href="#">See Picture</a>	PV mount - Rail	Solar Panel Mounting Rail (4.2m)	6	\$25.03	\$150.20
19a	<a href="#">See Picture</a>	PV mount - Tilt System	PV mounting adjustable triangular frame for ground or flat roof mounting (15°-30°)	9	\$19.17	\$172.51
20a	<a href="#">See Picture</a>	PV mount - mid clamps	PV mounting - mid clamps for securing PV panel to mounting rail 35mm	12	\$1.89	\$22.67
21a	<a href="#">See Picture</a>	PV mount - end clamps	PV mounting - end clamps for securing PV panel to mounting rail 35mm	12	\$1.76	\$21.18
22a	<a href="#">See Picture</a>	PV mount - screws	PV mounting screws and bolts for mounting of triangular frame and mounting rail	27	\$2.56	\$69.03
23a	<a href="#">See Picture</a>	Solar Clips	Spring steel Solar clips for Cable alignment	18	\$0.79	\$14.30
24a	<a href="#">See Picture</a>	Splice Kit	Solar Splice Kit	6	\$2.59	\$15.55
						<b>\$465.44</b>
<b>E - Panel Mounting Frame - Pitched Roof</b>						
18b	<a href="#">See Picture</a>	PV mount - Rail	Solar Panel Mounting Rail (4.2m)	6	\$25.03	\$150.20
19b	<a href="#">See Picture</a>	PV mount - Roof Hooks	PV mounting roof hooks - for tile roof Mounting	18	\$5.10	\$91.82
20b	<a href="#">See Picture</a>	PV mount - mid clamps	PV mounting - mid clamps for securing PV panel to mounting rail 35mm	12	\$1.89	\$22.67
21b	<a href="#">See Picture</a>	PV mount - end clamps	PV mounting - end clamps for securing PV panel to mounting rail 35mm	12	\$1.76	\$21.18
22b	<a href="#">See Picture</a>	PV mount - screws	PV mounting screws and bolts for mounting roof hooks and mounting rail	36	\$2.56	\$92.04
23b	<a href="#">See Picture</a>	Solar Clips	Spring Steel Solar clips for Cable alignment	18	\$0.79	\$14.30
24b	<a href="#">See Picture</a>	Splice Kit	Solar Splice Kit	6	\$2.59	\$15.55
						<b>\$407.76</b>
<b>F - Installation</b>						
24		Installation 001	Quote on request	0	\$0.00	\$0.00
<b>G - Shipping</b>						
25		Ship-0001	Quote on request	0	\$0.00	\$0.00
<b>H - Metering</b>						
26		Meter 0001	Quote on request	0	\$0.00	\$0.00
<b>I - Fridge</b>						
27		FRIDG-100	Quote on request	0	\$0.00	\$0.00
<b>J - LED-Lighting</b>						
28		LED-0001	Quote on request	0	\$0.00	\$0.00
<b>KIT OPTIONS:-</b>				<b>PRICE: US\$ RAND</b>		
KIT 1		<b>TOTAL WITHOUT PANEL MOUNTING FRAME AND AC-POWER COMPONENTS (EXC VAT)</b>		<b>\$6 329.00</b>	<b>R 71 517.69</b>	
KIT 2		<b>TOTAL WITHOUT PANEL MOUNTING FRAME (EXC VAT)</b>		<b>\$6 724.55</b>	<b>R 75 987.40</b>	
KIT 3		<b>TOTAL WITH FLAT-ROOF PANEL MOUNTING FRAME - ADJUSTABLE ANGLE (EXC VAT)</b>		<b>\$7 189.99</b>	<b>R 81 246.91</b>	
KIT 4		<b>TOTAL WITH PITCH-ROOF PANEL MOUNTING FRAME - NOT ADJUSTABLE (EXC VAT)</b>		<b>\$7 132.30</b>	<b>R 80 595.04</b>	
<b>CONDITIONS</b>						
1		Any hardware quoted is quoted at the ruling SAR-US\$ Rate Of Exchange (ROE) on the date of the quote. If equipment is ordered, and if the price has increased due to the Rand reducing in value since the date of the quote, the equipment will be invoiced at the ROE on the date of invoice.				
2		Keep the batteries cool and allow time for a full recharge every day.				