



Hybrid Solar and Generator, Power Solution

Our Hybrid solution produces continuous power to any required load with the least amount of maintenance and fuel required.

The system derives most of its energy through the solar Photovoltaic (PV) array. The PV array supplies DC power to the inverter during the day and at the same time charges a bank of batteries. The inverter converts the DC power into AC at 220 Volts as required to operate appliances, tools, office equipment and more. At night time the batteries supply power to

the inverter thereby providing reliable power 24 hours a day. There is a AC generator in the system to charge the batteries via the Inverter/charger during heavy energy usage or periods of poor sunshine. This solution is engineered and programmed to fully interact with one another. Therefore there is no operator required to operate the system.

Features:

- Simple Operation
- Easily transported to the site
- Completely engineered as a turn key solution
- Temperature regulation for longer component life
- Includes mountings for roof PV array
- Can be shipped and installed anywhere in the world

Applications:

- Construction site power
- Remote resorts, lodges, homes and farms
- Power for mobile office space
- Hotels and cottages
- Remote research stations
- Telecom Communication stations
- Temporary power for promotional events
- Uninterruptible power systems
- And many more application power needs



Current Automation

POWER SOLUTION PROVIDERS

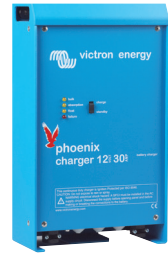
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Subject: Hybrid Energy Solution



System Recommendation:

- MultiPlus inverter / charger 3000/48; Is a powerful true sine wave inverter, a sophisticated battery charger and advanced programming features
- Outback Flexmax 80 MPPT Regulator; Increasing your photovoltaic array power yield up to 30% compared to non-MPPT controllers.
- Solar World SW 230; Module quality that is consistently high, which in turn will ensure high yields for the long term.
- Victron Gel 90 A/H; Gel batteries in general have a longer service life and better cycle capacity than other general purpose battery types.
- Firman Generator; Petrol driven 4.1kVa19 amps Vac high quality gen set.



Item code	Model Number	Description	Qty	Unit Price	Total Price
Victron components				Price	
V49	MultiPlus 48/3000/35-50	MultiPlus 48/3000/35-50	1	R 12 312	R 12 312
S1B	SW230+	230 watt solar panel	8	R 5 006	R 40 047
V301	Precision Battery Monitor BMV-602S	Precision Battery Monitor BMV-602S	1	R 1 383	R 1 383
R 28	FLEXMAX60	FLEXMAX60 MPPT charge controller	1	R 5 351	R 5 351
5122	4mm UV Solarcable	4mm ² double insulated halogen free cable sold per meter	10	R 17	R 173
R 348	DC Supply 35mm Permaweld	35mm Permaweld	44	R 133	R 5 867
Battery and Cabinet					
B66	Victron 12/90Ah gel deep cycle batteries	Victron 12/90Ah gel deep cycle batteries	16	R 1 268	R 20 288
452	Panel - 34U Plus	34U Outdoor cabinet - With fan and filter for extra ventilation with IP65 fan grill cover fixed version - ready for 8xNSB-170FT batteries	1	R 16 060	R 16 060
308B	Surge Arrestor	Surge protection DEHN 900600	4	R 371	R 1 485
322	19" D/B Box	19" D/B Box to house Electrical Reticulation	1	R 457	R 487
452B	Panel - Battery tray	Battery tray for 600 x 600mm 19" rack cabinet	3	R 381	R 1 144
520	Miscellaneous Items	Miscellaneous Items	1	R 533	R 533
530E	Assembly cost	Labourer cost per person per hour for assembly of the system	40	R 87	R 367
530 F	Programming Time	Programming time to setup the system for the designed solution	4	R 600	R 2 400
Generator					
G001	4.1KVA Petrol Gen Set and Self Start Controller	4.1KVA Petrol Gen Set and Self Start Controller	1	R 14 754	R 14 754
30 Day Acc: Sub Total			R 145 056	COD: Sub Total	R 125 750
V.A.T			R 20 308	V.A.T	R 17 605
30 Day ACC Customers (Settlement discount as per agreement: Total inclusive of V.A.T)			R 165 363	COD Price (no further discount): Inclusive of V.A.T	R 143 355
				Total	R 143 355

OutBack



SOLARWORLD AFRICA



FIRMAN
NEW POWER NEW LIFE
GAS & PETROL GENERATOR



Current Automation
POWER SOLUTION PROVIDERS



Guarantee:

The equipment will be guaranteed for a period of 12 months from delivery. This guarantee covers failures due to faulty design or components; however, it is the customer's responsibility to maintain the equipment as specified in the maintenance manual. This guarantee also does not cover the equipment against operation outside the specified electrical parameters, improper operating environmental conditions and lack of ventilation caused by high levels of dust contamination. The batteries will be guaranteed for a period as stated by the manufacturer.

Liabilities:

Current Automation does not accept liability for consequential damage or loss caused by malfunction of the equipment under any circumstances.

Prices are quoted at the Rand/US Dollar guideline of:

R 7.50

Any variations in ROE of above currencies in excess of 5% from above rates will result in adjustment of the final invoiced amount to the customer, should this variation occur between date of quotation and date of official invoicing.

Kindly use the reference number when placing orders.

Discount No further discount is allowed for in this quotation
Validity 30 Days from quote only subject to the rated R/\$ value
VAT All prices exclude V.A.T
F.O.B All prices are F.O.B Durban (South Africa)