



electrahertz
electrical suppliers (Pty) Ltd

BACK-O-LEC

720W and 1440W INVERTERS



Features

- **Simulated Sine Wave Inverter**
- **Built-in Earth Leakage Protection 30mA**
- **Built-in 50A Solar Charger (Optional)**
- **Input Voltage Range: 90-280VAC**
- **Auto Voltage Regulator**
- **Selectable 10A or 20A Charging Rate**
- **LCD Multi Display**
- **Overload, short circuit, reverse polarity Protection**
- **Extended (Optional) back-up Time**
- **1 Year Warranty**



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MODEL	EHZ-BACK1201	EHZ-BACK2402
CAPACITY	1200VA/ 720W	2400VA/ 1440W
INPUT		
Voltage	230 VAC	
Acceptable Voltage Range	90-280 VAC	
Frequency	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	± 10%	
Efficiency (Peak)	82%	85%
Transfer Time	20 ms typical	
Waveform (Batt. Mode)	Simulated sine wave	
BATTERY		
Battery Type and Numbers	Calcium 12V 105Ah x 1	Calcium 12V 105Ah x 2
Floating Voltage Charge	13.7VDC ±2%	27.4VDC ±2%
Low battery alarm voltage	10.2VDC ±2%	20.4VDC ±2%
Shutdown voltage	9.9VDC ±2%	19.8VDC ±2%
Overcharge Protection	15.0VDC ±2%	30.0VDC ±2%
SOLAR CHARGER (Optional) Solar Charge controller not included - request to purchase separately		
Maximum PV Array Open Circuit Voltage	40 VDC	60 VDC
Operating Voltage Range	15~18 VDC	30~32 VDC
Maximum Solar Charge Current	50 A max	50 A max
PROTECTION		
Full Protection	Overload, short circuit and polarity reserve protection	
PHYSICAL		
Dimension, D X W X H (mm)	354 x 493 x 408	354 x 493 x 408
Net Weight (kgs)	41	66
OPERATING ENVIRONMENT		
Humidity	0 to 90% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 40°C	
Storage Temperature	-15°C to 50°C	

* Product specifications are subject to change without further notice

E. & O.E.

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