

## 150W, UNIVERSAL INPUT UPS/BATTERY CHARGER BCM 150 SERIES

- Industrial quality
- Competitive price
- Input 95VAC-264VAC
- Conduction/convection cooled - no fan
- Fully protected
- Made in North America



The BCM 150 series unit is a universal AC input 150W DC output UPS. Field-proven circuitry ensures high efficiency and outstanding reliability. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. The BCM 150 is designed to meet approval requirements, is conduction/convection cooled and fully protected. The battery input is protected against accidental reverse battery connection by a crossbar diode and safety fuse with a 3-times higher Amp rating than output fuse. This unit has an analog amp-meter for monitoring output current.

### SPECIFICATIONS

**Input Voltage**

95Vac to 264Vac  
47 - 63Hz  
120Vdc to 360Vdc

**Input Protection**

Internal safety fuse  
Inrush current limiting  
Surge protection  
Battery fuse  
Lower voltage than the specified minimum input will not damage the unit

**Input Isolation**

2250VDC input to chassis  
4300VDC input to output,  
8mm spacing  
500VDC output to chassis

**Standards**

Designed to meet IEC950,  
CSA 22-2-950 and UL 60950

**EMI**

Meets EN 55022 Class B

**Switching Frequency**

47kHz +/- 2kHz

**Output Voltages/Currents**

13.8V/10A, 27.6V/5A  
(55.2V/2.7A as a special version)  
Consult factory for other voltages

**Line/Load Regulation**

±1.5% combined from no load to full load

**Output Ripple/Noise**

Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)

**Overload Protection**

Rectangular current limiting  
Hiccup mode at short circuit or massive overload. Thermal shut-down with automatic recovery in case of insufficient cooling  
Output fuse  
Battery safety fuse with 3-times rating of output fuse

**Output Overvoltage Protection**

Double regulator loop

**Efficiency**

Min 80% at full load

**Operating Temperature**

0 to +50°C (Extended temperature range available)

**Temperature Drift**

0.03% per °C over operating temperature range

**Cooling**

Conduction to customer heatsink or chassis and natural convection

**MTBF**

150,000h at 45°C

**Indicators**

Analog ammeter for monitoring load current  
Charger "ON" LED visible through the cooling slot

**Battery Temp. Compensation**

None

**Battery Reverse Protection**

Crossbar diode and fuse

**Low Battery Disconnect**

None

**Alarm Outputs**

None  
Optional charger fail alarm (Form C) available

**Environmental Protection**

Basic ruggedizing

**Dimensions**

F2 'special': 4.4"x 2.2" x 10"

**Weight**

1.1 kg (2.5 lb) approx.

**Connections**

9-pole barrier type terminal block with 3/8" spacing for all connections

**RoHS Compliance**

According to requirements

**Warranty**

Twelve months subject to application within good engineering practice.

Enhancements to these general specifications and customizing can be accommodated upon request. Specifications subject to change.

*Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. Absopulse is a ABAI-approved Facility*



**ABOPULSE ELECTRONICS LTD**  
110 Walgreen Road  
Ottawa, Ontario. K0A 1L0. CANADA  
Tel: (613) 836-3511 Fax: (613) 836-7488  
E-mail: [absopulse@absopulse.com](mailto:absopulse@absopulse.com)  
[www.absopulse.com](http://www.absopulse.com)