

# 1000W POWER SUPPLY IN 5" X 5" X 12" PACKAGE BAP 1000 SERIES

- Competitive price
- Stock or short delivery
- Compact size
- Full electronic protection
- Made in North America
- Telecom quality
- Field-proven design topology



The BAP 1000 Series is a compact DC/DC converter, which uses established design techniques to deliver up to 1000W output power, depending on the input/output configuration. A wide selection of input and output voltages are available off-the-shelf or with short lead times. Suitable for a wide range of applications, the BAP 1000 features full electronic protection, high efficiency and low output noise. The built-in fan provides sufficient airflow for operation without de-rating up to 50°C ambient temperature. Options include extended operating temperature (-40 to +65°C) and N+1 redundancy.

## SPECIFICATIONS

<p><b>Input Voltage</b> 21-30VDC and 42-60VDC ranges standard. Other inputs upon request</p>	<p><b>Output Voltages</b> 12V/83A; 24V/42A; 48V/21A; or 120V/8.3A are standard Consult factory for other voltages and output currents</p>	<p><b>Overload Protection</b> Rectangular current limiting with short circuit protection Thermal shutdown with automatic reset in case of insufficient airflow</p>	<p><b>Operating Temperature</b> 0°C to +50°C</p>
<p><b>Input Protection</b> Thermal fuse Inrush current limiting</p>	<p><b>Efficiency</b> Typical 90% at full load</p>	<p><b>EMI</b> Meets EN 55022 Class A Class B versions available</p>	<p><b>Temperature Drift</b> 0.03% per °C over operating temperature range</p>
<p><b>Input Isolation/Safety</b> 1000VDC input to chassis 1000VDC input to output 500VDC output to chassis</p>	<p><b>Line/Load Regulation</b> ± 1% combined Tighter regulated versions with sensing available</p>	<p><b>Output Ripple/Noise</b> Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW) Audio band noise: max. 32dBnC</p>	<p><b>Dimensions &amp; Weight</b> 5" X 5" X 12" enclosed case Can be mounted on a 3U x19" or 23" panel for rack mount applications 11.5 kg (25.35 lbs)</p>
<p>Designed to meet IEC950, CSA 22-2-950 and UL 1950</p> <p>Please consult factory for approval status for the required input/output configuration</p>	<p><b>Output Overvoltage Protection</b> Double regulator loop</p>	<p><b>Connections</b> Copper studs with nuts or terminal block</p>	<p><b>Output Fail Alarm</b> Via opto-coupler - C-E (normal operation: low)</p>

Warranty: Twelve months subject to application within good engineering practice  
Enhancements to these general specifications can be accommodated upon request  
Designed to meet common approval requirements. Specifications are 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 BAPT-approved Facility**

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