

# BAP 600 - 1500 SERIES

DC/DC Single Output: 600 - 1500 Watts



## Features

- Any input voltage from 24-140V is possible.
- High density/compact package.
- Any output voltage from 12V-120V is possible.
- Suitable for battery charging applications.
- N+1 redundancy option.
- Alarm option, optocoupler or relay.
- Full electronic protection & field proven design topology.
- Quality components, high MTBF > 100,000 hrs.
- Thermal shutdown.
- Meets international safety and EMC standards.

MODEL	Output		Power W	Package
	V	A		
BAP600 - 12	12V	50A	600W	4.5 x 5 x 10"
BAP600 - 24	24V	25A	600W	
BAP600 - 48	48V	13A	600W	
BAP600 - 120	120V	5A	600W	
BAP800 - 12	12V	66A	800W	5 x 5 x 12"
BAP800 - 24	24V	33A	800W	
BAP800 - 48	48V	16A	800W	
BAP800 - 120	120V	6.6A	800W	
BAP1000 - 12	12V	83A	1000W	5 x 5 x 12"
BAP1000 - 24	24V	42A	1000W	
BAP1000 - 48	48V	21A	1000W	
BAP1000 - 120	120V	8.3A	1000W	
BAP1500 - 12	12V	120A	1500W	5 x 5 x 12"
BAP1500 - 24	24V	60A	1500W	
BAP1500 - 48	48V	30A	1500W	
BAP1500 - 120	120V	12A	1500W	

### Notes:

1. Above voltages are standard, but any voltage 12 - 120V is possible.
2. Final **Part No** will be factory allocated to reflect input/output voltage settings.
3. A number of units of the same power can be connected in parallel for increased power.

## Specifications

<b>INPUT VOLTAGE:</b>	24VDC (21-30), 48VDC (42-60) 72VDC (60-85), 110VDC (90-140) Other options on request
<b>INPUT PROTECTION:</b>	Reverse polarity protection. Low input voltage shutdown. Thermal fuse
<b>ISOLATION:</b>	Input-output/chassis: 1500VDC Output-chassis: 500VDC (2250V optional)
<b>SAFETY:</b>	Designed to meet IEC950, UL1950, AS3260
<b>EFFICIENCY:</b>	Model dependent typically 85%
<b>OUTPUT VOLTAGE:</b>	Any combination 12V to 120VDC. V out is customer specified and factory set
<b>OUTPUT POWER:</b>	700~1500W: refer to table
<b>VOLTAGE ADJUSTMENT:</b>	±5.0%, other options on request
<b>PARALLEL OPERATION:</b>	Yes. A number of units of same model can be connected in parallel for increased power or n+1 redundancy
<b>LINE REGULATION</b>	±1.0% over input range
<b>LOAD REGULATION:</b>	±1.0% from no load to full load, excluding redundancy diode
<b>OUTPUT PROTECTION:</b>	<ul style="list-style-type: none"> <li>• Overvoltage protection</li> <li>• Rectangular current limit</li> <li>• Short circuit protection</li> <li>• Thermal protection in case of reduced air flow</li> </ul>
<b>EMI:</b>	Meets requirements of EN55022 Class B conducted.
<b>RIPPLE &amp; NOISE:</b>	Output ripple and noise 1% max. of V out pk-pk or 0.2%rms (20Hz BW)
<b>OPERATING TEMP:</b>	0° to 50°C at full load. Derating required from 50°-70°C. Consult office
<b>HUMIDITY:</b>	5-95% non condensing. Conformal coating optional
<b>COOLING:</b>	Fan forced cooled
<b>HOLD-UP TIME:</b>	Typically 4ms at nominal input
<b>TERMINALS:</b>	Screw terminals
<b>ALARM (Option "A"):</b>	Converter output fail: voltage free relay change over contacts. Other options on request.
<b>REDUNDANCY (Option "R"):</b>	Redundancy diode option for n+ 1
<b>MECHANICAL:</b>	4.5 x 5 x 12in. (115 x 127 x 254mm) 5 x 5 x 12in. (127 x 127 x 305mm)