**BAP65F - SERIES**

DC/ DC Converter: 750 ~ 1000 Watts

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**General Specifications**

**Input Voltage**
- 24VDC (20 ~ 29)
- 48VDC (38 ~ 60)
- 120VDC (90 ~ 140)
- 220VDC (200 ~ 290)
- Other voltages on request

**Input Protection**
- Reverse polarity protection
- Inrush current limiting
- Thermal Fuse

**Isolation**
- Input - Output: 1500vdc
- Input – Output: 2500vdc (110v input)
- Input – Chassis: 1500vdc
- Output – Chassis: 500vdc

**Efficiency**
- Model dependent, typically 80%

**Output Voltage**
- See tables

**Output Power**
- 24V Input @ 600 watts
- 48 - 220V input @ 1000 watts

**Parallel Operation**
- Optional

**Voltage adjustment**
- Customer specified, typically 5%

**Regulation**
- Output voltage dependant
  - Typically: ±3-5%

**Output Protection**
- Over voltage protection
- Constant Current limiting & short circuit protection

**EMI**
- EN55022 class A

**Immunity**
- EN61000-4

**Shock & Vibration**
- Designed to meet IEC61373 Cat 1 A & B

**Operating Temp.**
- 0°C to +50°C at full load
- +70°C at 50% load

**Cooling**
- Fan cooled

**Dimensions**
- BAP65F: 300 x 155 x 65mm (FF3) 2.3kg

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**Features**

- High quality for industrial applications
- Up to 1000 watts output power
- Over voltage protection
- Overload and short circuit protection
- MTBF > 130,000hrs
- Specials output voltage options
- Any output from 24vdc ~ 125vdc possible
- N+1 Redundancy Applications – option
- Output DC Fail alarm - Option
- Battery Charging applications - Option

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**Description**

The BAP65F Series DC/DC converter is a mature design product, with a proven track record in many applications over two decades and designed for a wide range of industrial applications.

The unit is equipped with reverse polarity protection on the input, surge protection and input & output filtering.

Optional ruggedizing & conformal coating is available, for immunity to shock, vibration, humidity, moisture, dust and insects.

In addition, a range of options are available, allowing customer’s total flexibility to specify a unit that is specific to their application.

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**Options**

**Output Voltage**
- Special voltage output, up to 125VDC

**Alarm**
- Voltage Free contacts

**N+1 Redundancy**
- Output redundancy diode for parallel operation

**Rack mount**
- Various 19in Rack mount options

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**Part No Configuration:**

<table>
<thead>
<tr>
<th>Series / Power</th>
<th>Input V</th>
<th>Output V</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAP65F-48/48FT</td>
<td>24V/48V 1000W</td>
<td>600W/24V</td>
<td>28</td>
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<tr>
<td>BAP65F-24/48FT</td>
<td>48/48V 1000W</td>
<td>600W/24V</td>
<td>24</td>
</tr>
</tbody>
</table>

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- Input & Output voltage is customer specified, together with any special options / features.
- For input voltages >48V we can offer 12V output at 50A

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REV (10-05-13)
Dimenions in Inches ( mm )

FF3 PACKAGE OUTLINE

NOV.06.02