

BAP765F SERIES

DC/DC Single Output Converters: 750 - 1500 Watts



Features

- Input voltage options from 24 - 140VDC
- Output voltage options 12 - 125VDC
- Power level input voltage dependent up to 1500 watts
- Constant current overload protection
- Input - Output isolation
- Suitable for a wide range of Industrial and Telecom applications
- Battery charging option
- Field proven reliability design
- **N+1** Redundancy option
- Alarm option
- Customer specified input and output voltage options

General Specifications

Input Voltage:	24VDC (21 - 29) 48VDC (42 - 60), 72VDC (60 - 85) 110 VDC (90 - 140) Other options on request
Output Power:	750 - 1500 watts
Output Voltage:	12 - 125VDC
Voltage Range:	±5% adjustment via on-board trim pot (other options on request)
Load Regulation:	±1%
Line Regulation:	±0.5%
Isolation:	Input - output 1500V (2250V option)
EMC:	EN55022 Class A
Operating Temp:	-0°C to +50°C Derate 2.5% per °C to 70°C
Efficiency:	Model dependent, typically 85%
Protection:	Overvoltage protection Overload protection - constant current Thermal protection
Terminals:	¼in brass studs or screw terminals, depending on input/output
Cooling:	Built-in fans
Dimensions & Weight:	292 x 160 x 60mm 2.3Kg (includes terminals and fans)

Model Selection:

1. Any output voltage is possible, within the range of 12-125V
2. Input and out voltage settings are customer specified and factory set.
3. Part number will be allocated at time of order.
4. A number of units can be connected in parallel for increased power and N+1 redundancy applications

Description

The **BAP765F** series DC/DC converters are based on our BAP series, with over 20 years field proven track record. These units are designed to be manufactured to customer specifications with total flexibility to match application requirements. Designed for a wide range of industrial applications, with input voltage options from 24 - 140VDC and any output voltage from 12 - 125VDC.

Options

Redundancy:	Units can be supplied with a built-in isolation diode for use in N+1 Redundancy operations.
Alarm:	Voltage Free Relay contacts for monitoring DC output.
Ruggedising:	Units can be supplied with conformal coating of PCBs and a high level of ruggedisation for harsh environments.
Output Voltage:	Any output voltage option from 12 - 125VDC

Model	Input V	Output		Power W
		V	A	
BAP765F - 24 - 12	24V	12V	60A	750W
BAP765F - 24 - 24		24V	31A	750W
BAP765F - 24 - 48		48V	15A	750W
BAP765F - 24 - 125		125V	6A	750W
BAP765F - 48 - 12	48V	12V	60A	750W
BAP765F - 48 - 24		24V	40A	1000W
BAP765F - 48 - 48		48V	20A	1000W
BAP765F - 48 - 125		125V	8A	1000W
BAP765F - 72 - 12	72V	12V	60A	750W
BAP765F - 72 - 24		24V	58A	1400W
BAP765F - 72 - 48		48V	29A	1400W
BAP765F - 72 - 125		125V	11A	1400W
BAP765F - 110 - 12	110V	12V	60A	750W
BAP765F - 110 - 24		24V	62A	1500W
BAP765F - 110 - 48		48V	31A	1500W
BAP765F - 110 - 125		125V	12A	1500W