

## 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
- 19in Rack mount - Option

### 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:	29 • x 1 • • x 6 • mm • • • • • 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

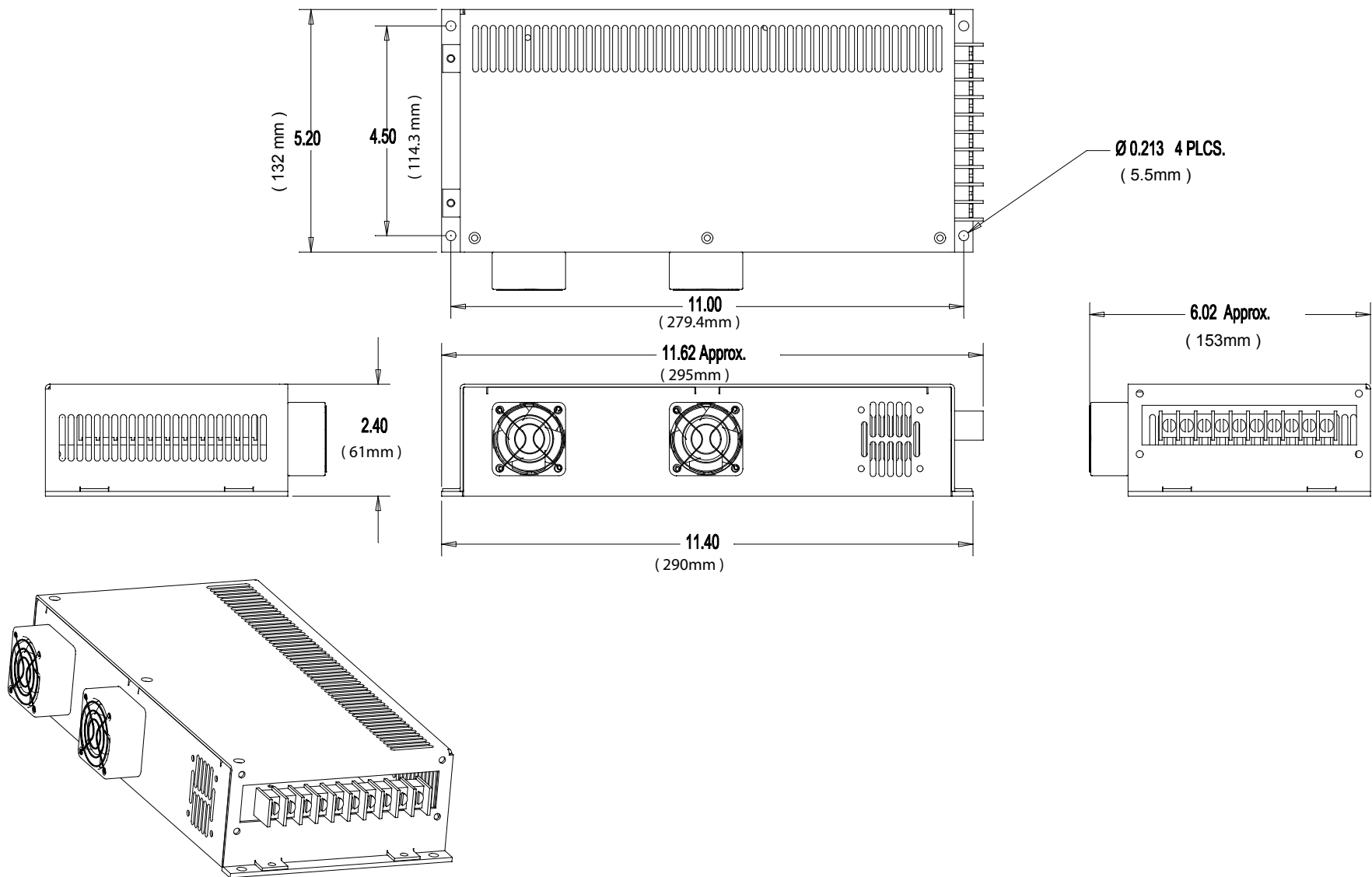
### Description

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 V A	Power W
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



Dimenions in Inches ( mm )

## FF3 PACKAGE OUTLINE

NOV.06.02