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 @ 750 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

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.

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

Part No Configuration:

- BAP65F-48/48FT (48 / 48V 1000W )
- BAP65F-24/48FT (24 / 48V 750W )

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

www.heliosps.com.au
Dimensions in Inches (mm)

11.00 in (279.4 mm)

11.82 in (295 mm)

6.02 in (153 mm)

2.40 in (61 mm)

5.20 in (132 mm)

4.50 in (114.3 mm)

5.5 mm

Ø 0.213 in 4 PLCS.

132 mm

114.3 mm

153 mm

132 mm

114.3 mm

153 mm

FF3 PACKAGE OUTLINE

NOV.06.02

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