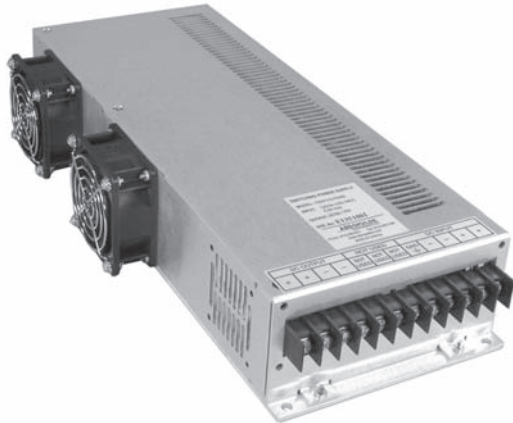


BAP319F SERIES

DC/DC Converters Single Output: 750 Watts



Features

- Input voltage options from 48 - 140VDC
- Output voltage options 12 - 125VDC
- 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: | 48VDC (42 - 60), 72VDC (60 - 85) 110 VDC (90 - 140) Other options on request |
| Output Power: | 750 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: | Barrier Strip terminals |
| Cooling: | Built-in fans |
| Dimensions & Weight: | 358 x 152 x 62mm 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 **BAP319F** series DC/DC converters are based on our BAP series, with over 20 years field proven track record and, with added fan cooling able to provide up to 750 watts of power.

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 48 - 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 | |
| BAP319F - 48 - 12 | 48V | 12V | 50A | 600W |
| BAP319F - 48 - 24 | | 24V | 31A | 750W |
| BAP319F - 48 - 48 | | 48V | 15A | 750W |
| BAP319F - 48 - 125 | | 125V | 6A | 750W |
| BAP319F - 72 - 12 | 72V | 12V | 50A | 600W |
| BAP319F - 72 - 24 | | 24V | 31A | 750W |
| BAP319F - 72 - 48 | | 48V | 15A | 750W |
| BAP319F - 72 - 125 | | 125V | 6A | 750W |
| BAP319F - 110 - 12 | 110V | 12V | 50A | 600W |
| BAP319F - 110 - 24 | | 24V | 31A | 750W |
| BAP319F - 110 - 48 | | 48V | 15A | 750W |
| BAP319F - 110 - 125 | | 125V | 6A | 750W |