



12/24 VOLT DC/DC CONVERTER

OUTPUT CURRENT UP TO 10 AMPS

The Compass Instruments +12 volt DC to +24 volt DC, 10 amp converter is ruggedized and designed for exceptional reliability.

The converter utilizes multiphase circuitry for increased stability and reliability.

Housed in a fully enclosed anodized aluminum housing, the converter is potted for further ingress protection and does not require an additional enclosure or protection from the elements.

Two meter long color coded flying leads are provided for ease of wiring into existing circuits.

Input overvoltage protection and output current limit circuitry protects the unit from damage due to external fault conditions.





**12/24 VOLT
DC/DC
CONVERTER**

OUTPUT CURRENT UP TO 10 AMPS

This unit was designed to provide +24VDC to power electronic instrumentation (such as flow meters, level probes, pressure & temperature transmitters, and control systems) from a +12V power source (such as a battery, alternator or solar charging system). The converter will provide up to 10 amps at +24 volts. The input voltage may vary from +9 to +23 volts.

These units are super reliable because:

The newest generation of stable, efficient, and long lasting components are used to create an efficient design that will output up to 10 amps of current without stressing the internal components. This includes the following:

- New technology long life capacitors
- Printed circuit board material that is thermally conductive
- Multiphase electronic design for higher efficiency
- Gel type potting material for reduced stress over wide temperature variations

These features combine to provide a very efficient unit that produces little heat, and a mechanical design using special thermally conductive materials that dissipate heat. In addition the packaging design provides a ruggedized unit that can be mounted internally to an assembly or externally with no additional protection.

Specifications:

Mounting hole dimensions: 2.5" X 5.0"

Housing dimensions:

6.5" long

3.375" wide

2.3" deep (1" added for wire gland)

Temperature range: -40°C to +65°C

Weight is 1.5 Lb. (680g)