

# Installation Manual

## TPC1

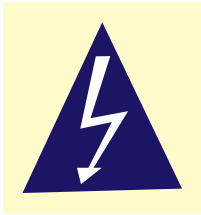


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AC - DC / DC - DC Converter - 12Vdc Output

# CAUTION



Equipment must be installed & serviced by suitably qualified service personnel in a restricted access area. There are no user serviceable parts inside.

*Do not remove module covers*

*No user serviceable parts inside*

## General



This power convertor is designed for indoor use only.

The TPC1 is a low profile DC - DC / AC - DC Convertor designed to convert either 24V AC or 18-48V DC to a reliable, clean output voltage between 11-15Vdc (12V nominal) and is rated for 1.5A continuous output.

**Note: Input voltage must not exceed 48V DC - permanent damage may result.**

This model features output current limiting and thermal shutdown protection with auto recovery.

## Connection

Connect input power to terminals marked "Input" (see diagram overleaf).

Note that these terminals are not polarity conscious.

Load equipment may be connected to terminals marked "Out".

Confirm polarity before connecting.

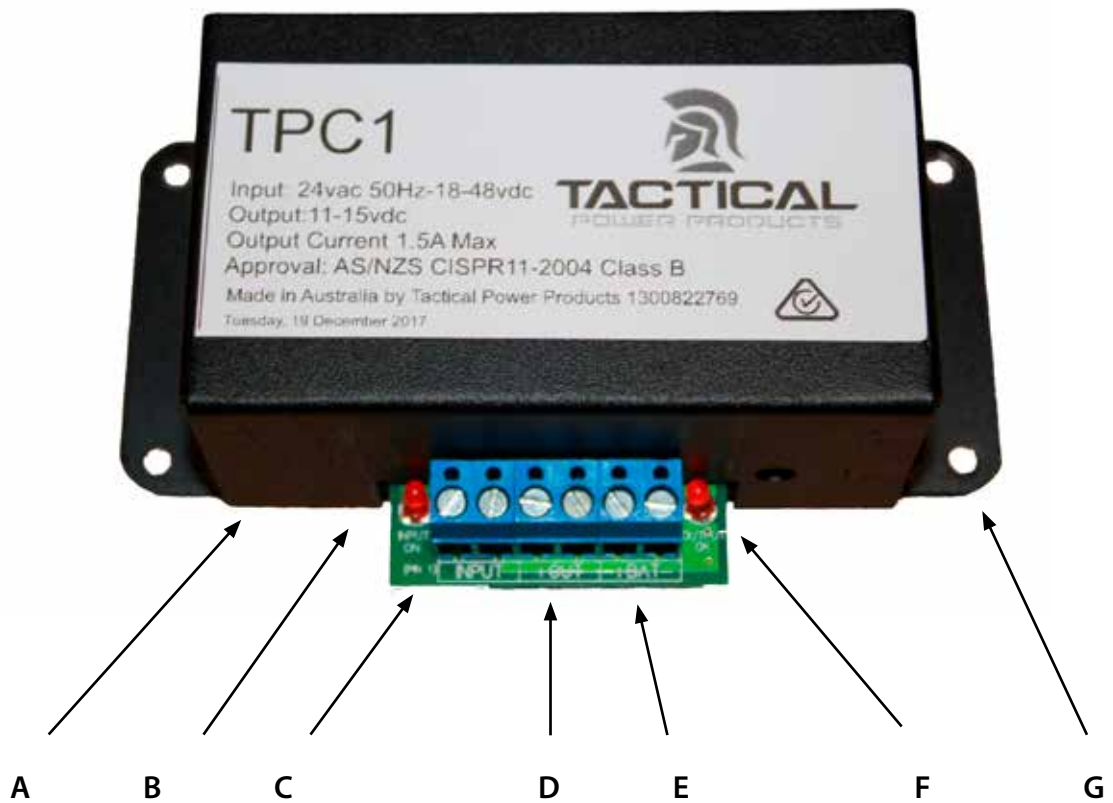
Output voltage is factory set to 12.2Vdc - see note below:

**Battery Operation:** If battery operation is required, adjust output voltage to 13.8Vdc (using an insulated screwdriver and digital multimeter). Battery charge current is limited to < 100mA - this should be taken into account when calculating output load. If output load (including battery charging) exceeds 1.5A, TPC-1 will current limit & shut down. Observe polarity of battery when connecting.

Input and output LED's should be illuminated when operating normally.

There are no fuses or user serviceable components inside the cabinet - return to your supplier or Tactical Technologies for service or repair.

# LAYOUT



<b>A</b>	Output Voltage Adjustment (Use an insulated screwdriver to adjust)
<b>B</b>	Input OK LED
<b>C</b>	Input Terminals: 18Vdc - 48Vdc or 24Vac nominal
<b>D</b>	Output Terminals: 11 - 15Vdc / 1.5A Max (factory set to 12.2Vdc)
<b>E</b>	Battery Connection - output must be adjusted to 13.8Vdc for battery operation
<b>F</b>	Output OK LED
<b>G</b>	Mounting Holes

# TPC1

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## AC-DC / DC-DC Converter

### Specifications :

( In the interests of product improvement, Tactical reserves the right to change specifications without notice)

	TPC 1
Input Voltage	18Vdc - 48Vdc or 24Vac nominal
Output Voltage	Factory set to 12.2Vdc (11 - 15Vdc adjustable)
Output Current	1.5A Max.
Output Protection	Current Limiting with Auto Recovery, Thermal Shutdown
Operating Temperature	0° C to 45° C
Soft Start	1 - 2 seconds (typical)
EMC Standards	CISPR11:2004 - Class B
Dimensions	115 W x 65 D x 40 H mm

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Tel: 1300822769 PO Box 90 Kurrajong NSW 2758 [sales@tacpower.com.au](mailto:sales@tacpower.com.au)