

# Installation Manual

## TPS12-5Si



Designed & Manufactured  
  
In Australia

  
N645

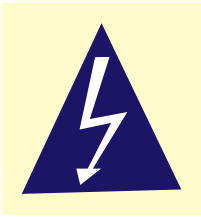


tactical Technologies Pty Ltd

+61 2 8822-1888 Tel [www.tac-tech.com.au](http://www.tac-tech.com.au) +61 2 8822-1899 Fax

Dual Channel 12V DC 5A Power Supply

# CAUTION



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

***Dangerous Voltage Inside !***

***Do not remove module covers***

***No user serviceable parts inside***



## General

This power supply is designed for indoor use only.

Battery backup for systems designed specifically for 12V operation (such as CCTV cameras & some access control devices) have historically presented installers with difficult and sometimes expensive dilemmas, often requiring the use of UPS technology.

With the release of the TPS12 Si Series, this is no longer the case.

Utilising state-of-the-art voltage regulation techniques, the TPS12 Si Series provides clean 12V DC output to power your equipment, with an independent 13.8V DC channel for battery charging, ensuring that your load equipment is supplied with 12V DC - even when running from batteries during a 240V mains power failure.

Available in 2.5 & 5A models, incorporating current limiting, short circuit shutdown and thermal overload protection, together with separate AC Fail & Low Battery relay outputs, the TPS12 Si Series has been designed and thoroughly tested to comply with stringent new Australian & New Zealand Electrical Safety and EMC standards.

The advanced design of the Si Series provides outstanding performance in the field, whilst maintaining significantly lower operating temperatures than most currently available linear supplies.

Also available factory fitted to steel enclosures - with or without power distribution modules:

Order Part No: TPS12-5SiB      12Vdc 5A Power Supply in powder coated steel enclosure (340Wx290Hx105D)

Order Part No: TPS12-5SiBD      12Vdc 5A Supply in steel enclosure with 10 way distribution (340Wx290Hx105D)

## Connection

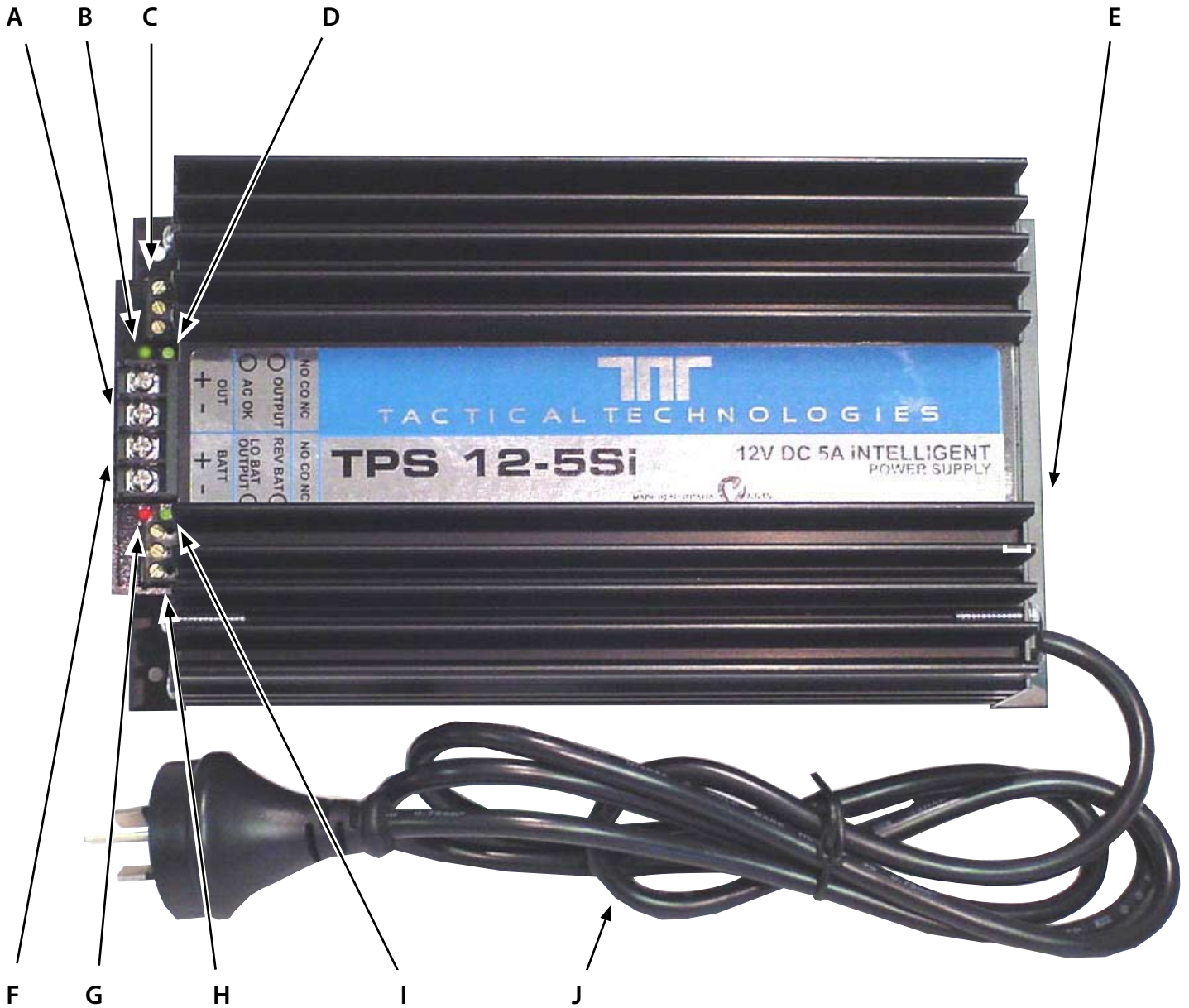
DC output terminals are specified in the layout overleaf and can provide a maximum of 5A.

Please take start-up / inrush current into account when configuring your system.

The power supply will current limit and shut down if a total of 5 Amps load is exceeded.

# LAYOUT

## TPS12-5Si



<b>A</b>	Output Terminals - connect to load (Observe Polarity)
<b>B</b>	AC OK LED
<b>C</b>	Mains Fail Relay Output
<b>D</b>	Output OK LED
<b>E</b>	Model Compliance & Date of Manufacture Label
<b>F</b>	Battery Terminals (Observe Polarity)
<b>G</b>	Low Battery LED
<b>H</b>	Low Battery Relay Output
<b>I</b>	Battery Connection Reversed LED
<b>J</b>	240V Mains Power Cable

## Warranty Statement

Tactical Technologies Pty Limited guarantees this product against defective parts and workmanship for a period of twelve (12) months from the date of purchase. If any defect appears during the warranty period, please return the goods to Tactical Technologies Pty Limited freight paid. The goods will be repaired or replaced, then returned.

Tactical Technologies Pty Limited assumes no liability for consequential or indirect damage and accepts no responsibility for repairing damage to products caused by misuse, careless handling or where repairs have been made by others. In the interest of ongoing product development, Tactical Technologies Pty Limited reserves the right to modify, vary or alter the design of this product without written notice.

## Specifications

	TPS12-5Si
Output Voltage to Load	Factory set to 12.2 V dc
Output Current to Load	5A Max
Output Voltage to Battery	13.8V dc
Output Current to Battery	0.7A (700mA) Max
Weight	3.8 kg
Dimensions	243L x 132W x 90H mm
Input Voltage	240V ac / 50 - 60Hz
Input Current	700mA (0.7A)
Safety Standards	C-Tick N645 AS/NZS 60950: 2003
EMC Standards	AS/NZS CISPR 14.1:2003
Mounting	4 x 3mm mounting holes

Tactical Technologies Pty Ltd

ABN 13 066 744 661

Tel: +61 2 8822-1888 www.tac-tech.com.au 5 Butterfield St, Blacktown NSW 2148 Fax: +61 2 8822-1899

**“ Changing The Way You Think About Power ! ”**