

# Installation Manual

## TPS12-5SiBD-20



 N645

POWERING<sup>®</sup>  
YOUR VISION

TPS12Si  
Series

**Tactical**  
Technologies Pty Ltd

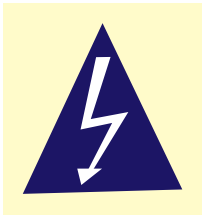


Designed & Manufactured



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.

## Connection

TPS12-5SiBD-20 is fitted with 2 x 10 Way power distribution Modules (PDM1), providing 20 x 0.25A fused output terminals. The rating of these fuses may be changed (higher or lower current) provided that the total system current draw does not exceed 5A. The power supply will current limit and shut down if a total of 5 Amps load is exceeded.

Please take start-up / inrush current into account when configuring your system and take care to observe polarity when connecting a battery.

# 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 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

	TPS12-5SiBD-20
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
Output Channels	20
Output per Channel	Factory fitted - 0.25A (250mA)
Weight	6.5 kg
Dimensions	340W x 290H x 105D mm
Input Voltage	240V ac / 50 - 60Hz
Input Current	700mA (0.7A)
Safety Standards	AS/NZS 60950: 2003
EMC Standards	AS/NZS CISPR 14.1:2003 2 C-Tick N645
Mounting	4 x 3mm mounting holes

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

