

# Installation Manual

## TPS13-5SiBD-20



N645



Designed & Manufactured

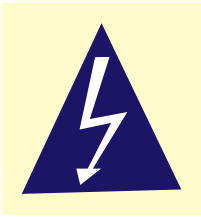


Tactical Technologies Pty Ltd

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Dual Channel 13.5V 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.

Utilising state-of-the-art voltage regulation techniques, the TPS13 Si Series provides clean 13.5V DC output to power your equipment, with an independent 13.8V DC channel for battery charging.

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 TPS13 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 as a standalone power module or factory fitted to steel enclosures with power distribution modules:

### 13.5VDC 2.5A Models:

Order Part No: TPS13-2.5Si	13.5Vdc 2.5A Power Supply (192W x 132H x 90D)
Order Part No: TPS13-2.5SiB	13.5Vdc 2.5A Supply in steel encl. without distribution (340Wx290Hx105D)
Order Part No: TPS13-2.5SiBD	13.5Vdc 2.5A Supply in steel encl. with 10 way distribution (340Wx290Hx105D)

### 13.5VDC 5A Models:

Order Part No: TPS13-5Si	13.5Vdc 5A Power Supply (242W x 132H x 90D)
Order Part No: TPS13-5SiB	13.5Vdc 5A Supply in steel encl. without distribution (340Wx290Hx105D)
Order Part No: TPS13-5SiBD	13.5Vdc 5A Supply in steel encl. with 10 way distribution (340Wx290Hx105D)

## Connection

TPS13-5SiBD-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

## TPS13-5Si



<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

	TPS13-5SiBD-20
Output Voltage to Load	Factory set to 13.5 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 ! ”**