

Installation Manual

TPS13-2.5SiE



Designed & Manufactured



In Australia



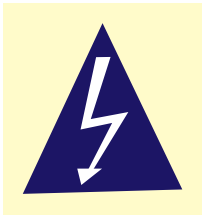
N645

Dual Channel 13.5V DC 2.5A Power Supply



tactical Technologies Pty Ltd

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.

The TPS13-2.5SiE supercedes the TPS13-2.5E "economy" model from the previous Tactical model range.

Whilst this model provides battery charging facilities, it is not equipped with relay outputs & LED's for AC Fail & Low Battery conditions.

If dry contact outputs for AC Fail & Low Battery are required, please use TPS13-2.5Si.

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.

These models are available as standalone modules or factory fitted to steel enclosures with power distribution modules:

Order Part No: TPS13-2.5SiEB 13.5Vdc 2.5A Supply in steel enclosure (340Wx290Hx105D)

Order Part No: TPS13-2.5SiEBD 13.5Vdc 2.5A Supply in steel encl. with 10 way distribution (340Wx290Hx105D)

Connection

DC output terminals are specified in the layout overleaf and can provide a maximum of 2.5A.

Remember to consider start-up / inrush current when configuring your system. The power supply will current limit and shut down if a total of 2.5 Amps load is exceeded.

Take care to observe polarity when connecting a battery.

LAYOUT

TPS13-2.5SiE



A	Output Terminals - connect to load (Observe Polarity)
B	AC OK LED
C	Output OK LED
D	Model Compliance & Date of Manufacture Label
E	Battery Terminals - Observe Polarity

Note that this "economy" model does not feature AC Fail & Low Battery relay outputs - if dry contact outputs for AC Fail & Low Battery are required, please use TPS13-2.5Si.

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

	TPS13-2.5SiE
Output Voltage to Load	Factory set to 13.5 V dc
Output Current to Load	2.5A Max
Output Voltage to Battery	13.8V dc
Output Current to Battery	0.5A (500mA) Max
Weight	2.6 kg
Dimensions	192L x 132W x 90H mm
Input Voltage	240V ac / 50 - 60Hz
Input Current	350mA (0.35A)
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 ! ”