

24Vdc 6A, 12A & 18A Rackmount Series



MODELS :

RPS24-6DC-D1E
RPS24-6DC-D5E
RPS24-12DC-D4E
RPS24-12DC-D10E
RPS24-18DC-D6E
RPS24-18DC-D9E
RPS24-18DC-D15E

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All models feature precision electronic over-current protection



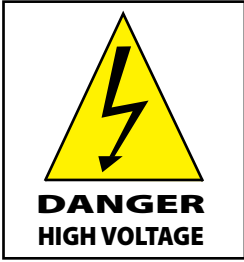
 N645



DESIGNED & MANUFACTURED

Installation Manual

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 covers

No user serviceable parts inside



Installation Requirements - *Note: These power supplies are designed for indoor use only!*

The power supply should be installed using the mounting points on the front face with the case suspended, to allow air to flow freely around the case. Avoid locations where moisture, high humidity or excessive heat variations are present.

Connection to Load Equipment

Load equipment may be connected via the heavy-duty removable screw terminal blocks on the rear panel.

Caution must be exercised to ensure that the connected load equipment does not exceed the current rating for each output and that the total current for all connected devices does not exceed the overall power supply rating.

RPS24DC Series power supplies provide individually short circuit protected outputs. Each output features a high accuracy, electronically controlled current limiting circuit with a current rating between 1.2A to 3A per output (model dependent). Remember to consider inrush / start-up current when connecting load devices. Outputs will shutdown if short circuited or if current draw exceeds rated output - outputs may be reset by pushing the appropriate reset button on the rear panel.

Front panel LEDs show the status of each output - Green for OK and Red if faulty (over current / short circuit). RPS24DC Series models feature a Common Fault Relay for each group of 5 outputs. This relay will trip and its corresponding front panel LED will light if any one of the outputs within its group suffers a fault condition.

When the fault condition is rectified (short circuit / over current removed) the corresponding reset button (on the rear panel) should be pressed - output will automatically reset, its corresponding LED will change from Red to Green, the Common Fault Relay will restore and its front panel LED will extinguish.

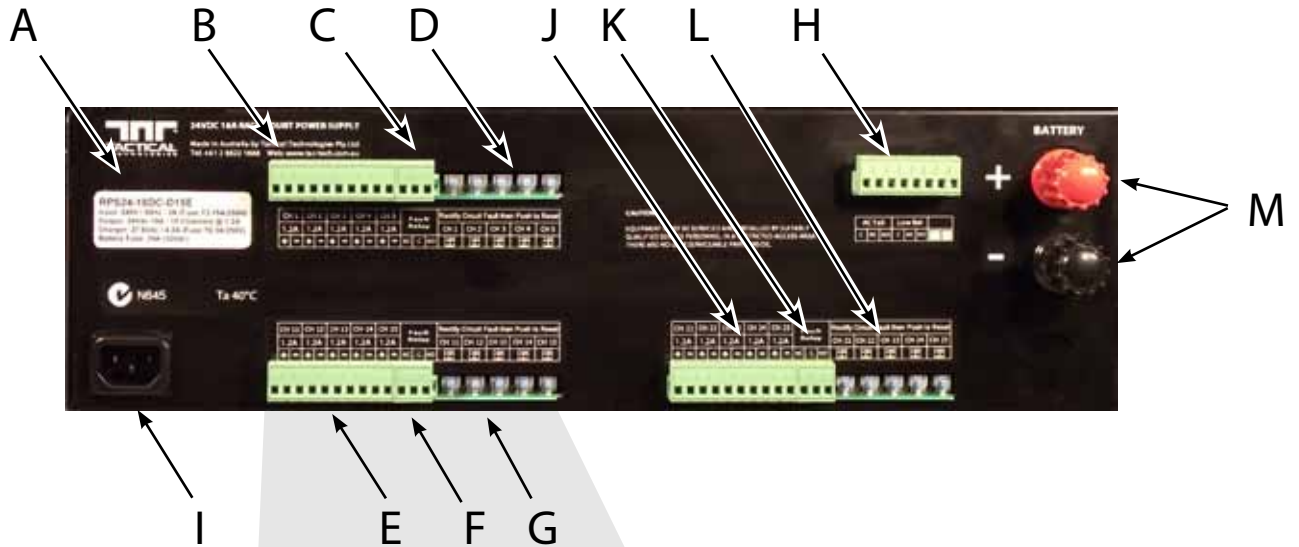
Note that there are no user serviceable parts inside this power supply. Please return to Tactical Technologies for service, maintenance or repair.

Connecting Batteries

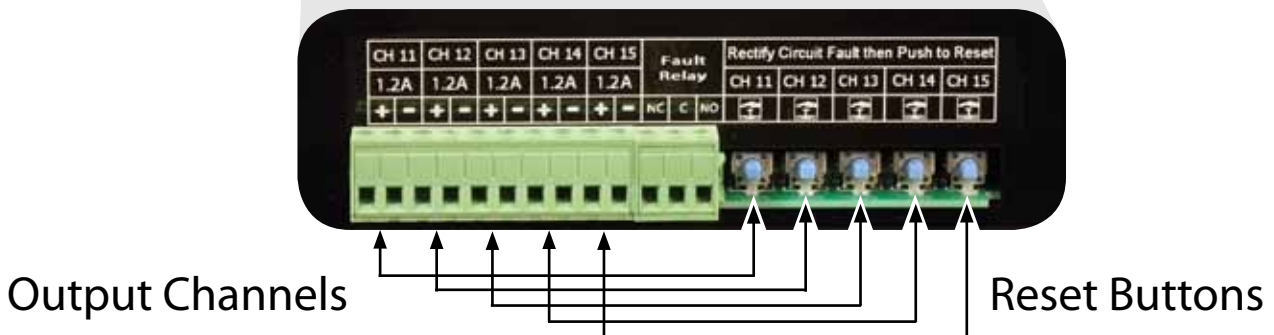
- Use only good quality 12V Sealed Lead Acid Batteries of equal size, capacity and age. (2 x batteries in series)
- Typical recommended battery capacity is 17Ah to 55Ah - other battery capacities may be used, but recovery time after discharge may vary.
- Take care to observe polarity when connecting battery string to power supply battery terminals.
- For safety, the use of an in-line battery fuse is highly recommended. (F10A / 32V for 6A models, F15 / 32V for 12A models and F25A / 32V for 18A models).

LAYOUT

RPS24-18DC-D15E Shown



A	Compliance Label
B	Channel 1- 5 Outputs (output is dependant upon model - eg 1.2A / 2A / 3A)
C	Channel 1- 5 Common Fault Relay Output (NC - COM - NO)
D	Channel 1- 5 Short Circuit Reset Buttons (Rectify circuit fault, then press reset button)
E	Channel 11- 15 Outputs (output is dependant upon model - eg 1.2A / 2A / 3A)
F	Channel 11- 15 Common Fault Relay Output (NC - COM - NO)
G	Channel 11- 15 Short Circuit Reset Buttons (Rectify circuit fault, then press reset button)
H	AC Fail & Low Battery Relay Output
I	IEC Power Socket (240Vac Input)
J	Channel 21- 25 Outputs (output is dependant upon model - eg 1.2A / 2A / 3A)
K	Channel 21- 25 Common Fault Relay Output (NC - COM - NO)
L	Channel 21- 25 Short Circuit Reset Buttons (Rectify circuit fault, then press reset button)
M	Battery Terminals



High Accuracy Electronic Over-Current Protection

24Vdc

6A / 12A / 18A

Rackmount Series

Engineered
for Electronic
Locking



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

	RPS24-6DC-D1E	RPS24-6DC-D5E	RPS24-12DC-D4E	RPS24-12DC-D10E	RPS24-18DC-D6E	RPS24-18DC-D9E	RPS24-18DC-D15E
Input Voltage	240 Vac / 50Hz						
Input Current	1.2A RMS @ full load		2.4A RMS @ full load		3.6A RMS @ full load		
Output Voltage	24 Vdc						
Output Current	6A		12A		18A		
No. of Output Channels	1	5	4	10	6	9	15
Output per Channel	6A	1.2A	3A	1.2A	3A	2A	1.2A
Output Ripple & Noise	50mV typical						
27.6Vdc Battery Charger	1.4A peak 700mA average		2.8A peak 1.4A average over time		4.2A peak 2.1A average over time		
Recommended Battery Fuse	10A (32V)		15A (32V)		25A (32V)		
Common Fault Output	1 x SPDT relay & LED		2 x SPDT relay & LED		3 x SPDT relay & LED		
Output Indication	Output Channel Status LED's Green = OK Red = Fault						
Weight	< 8.5Kg						
Cabinet Dimensions	427W x 370D x 128H mm						
Face Dimensions	(3RU) 483W x 132H mm						
Overload Protection	Over current limiting, short circuit shutdown, reset to recover after fault removal						
Working Temperature	0 - 40° C						
Safety Standards	AS/NZS 60950.1:2011						
EMC Standards	AS/NZS CISPR11:2011 Group 1 Class B (Conducted & Radiated)						
Mounting	3RU / 19" rack mount flange - 4 x M8 mounting holes						



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