



Switched Mode Power Supply

Type: 36VDC-6A25-225W-B25PS1



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DRAFT

Unisys: B 25 PS1

Rear Panel View & Basic Connection Details

WARNING - output is floating

General Data

Brand: Unisys (Burroughs)
Unisys Part #: B 25 PS1
Model: 3396 7142 1
OEM: 122504-SA-04 Elec & Eltek PS Ltd.

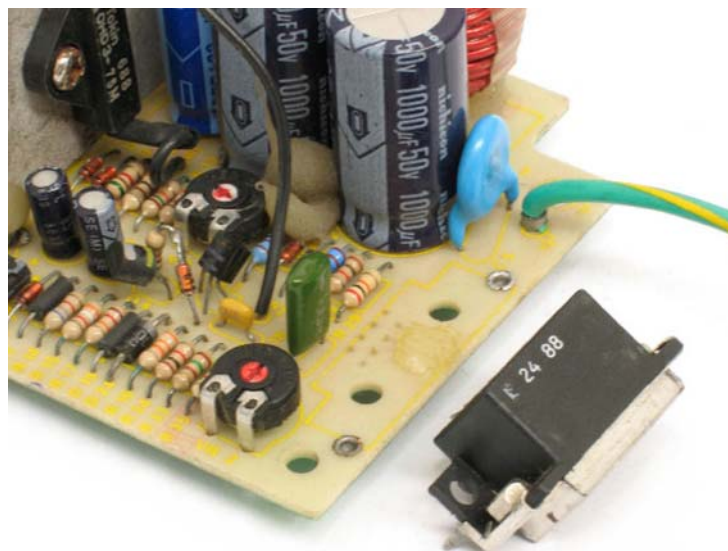
Input Voltage: 120V or 240V
Input Current: Up to 6A 120V or 5A 240V
Output Voltage: 36V (internally adjustable 30~40V)
Output Current: up to 6.25A
Remote Sensing: No
Minimum Load Current: 0.
Over current protection: Yes (Adjustable 4A – 6.25A)
Total Output power: 225W
Operating temperature: +5°C ~ +50°C.
Operating frequency: 50/60Hz
Conversion efficiency: Typically 85% (load dependant)
Power Factor Correction: No
Power indicator: No
Over temperature protection: Yes
Wiring Output: RJ8 8pole heavy duty socket.
Input: IEC 320 C14

Size: 260 x 120 x 75 mm (nominal LxWxH)
Fixing: 4 holes M4 clearance on 233x89mm rect.
Weight: ~1.9kg

Package & Options include:

1 x 36V 6.25A 225W DC power supply in plastic case
 1 x 950mm output cable with RJ8 plug

Optional: flexible 5~10A mains cable (IEC power cable) and alternative output connectors.



TO BE COMPLETED!

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General Installation & Operation

Overview:

This DC Power Supply is a high quality self-contained unit deemed usable in applications where 30~40V DC is required at continuous currents up to 6.25 Amps with good regulation and compact size... typical applications may include:

CNC machines-motor drives, robotics, original computer systems etc..

Operation: Deploy, adequately sized cable etc., connection to the mains supply and the DC output.

The supply only needs the mains active to operate. The output current can vary from no-load up to the rated output. The supply will "self recover" after an "over current" event.

Mounting: These units are contained in black plastic cases with facilities for stacking multiple units and may be deployed in any convenient orientation.

Note - Take care to ensure that the fan and vent-slots have clear clean un-obstructed air-flow. Occasional cleaning may be desirable.

Adjustments: There are **no external adjustments**, for the DC output. The technically competent may indulge some internal adjustments to suit special requirements including changing the output between 30 and 40V using VR2 and resetting the over current trip between 4 and 6.25A using VR1.

Note - Total output power should not exceed 225W nor should the current exceed the rated value.

Connection: While stocks are available, an 8 way ribbon cable is supplied which requires common-connection of the multiple + and - conductors. The existing RJ8 socket may be removed and a connector of your choice fitted. DA9 and other connectors have been adapted.

Note - There is room to custom-fit banana sockets or binding posts to the end panel.

Control: See a typical connection and control schematic/diagram on the left and/or our on-line resources.

Caution: This supply is capable of outputting destructive power levels. Suitably rated protective fusing or circuit breaker should be provided on the 36 Volt rail to avoid the risk of damages under fault conditions.