



Switched Mode Power Supply

Type: **36VDC-4A2-150W-AA12480-Astec**



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DRAFT

Unisys: B 25 Series

Rear Panel View & Basic Connection Details

WARNING - output is floating



General Data

Brand: Unisys (Burroughs)
Unisys Part #: B 25 PSx
Model: 3396 xxxx x
OEM: AA12480 Astec

Input Voltage: 120V or 240V
Input Current: Up to 3A 120V or 2A 240V
Output Voltage: 36V (internally adjustable ???V)
Output Current: up to 4.2A
Remote Sensing: No
Minimum Load Current: x.x Amps (nominal)
Over current protection: Yes (adjustable ?A)
Total Output power: 150W
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 8-pole heavy duty socket.
Input: IEC 320 C14 (daizy-chain enabled)

Size: 260 x 120 x 75 mm (nominal LxWxH)
Fixing: 4 holes M4 clearance on 233x89mm rect.
Weight: ~1.xkg

Package & Options include:

1 x 36V 4.2A 150W DC power supply in plastic case
 1 x 950mm output cable with RJ8 plug

Optional: flexible 5~10A mains cable negotiable. IEC daizy-chain power cable and substitute output connectors according to available choices.

General Installation & Operation

Overview:

This DC Power Supply is a high quality self-contained unit deemed usable in applications where a nominal 36V DC is required at continuous currents up to 4.2 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 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 air-flow through the ventilation slots is clear clean un-obstructed. 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 40?V using an added trimmer and resetting the over current trip between xA and 4.2A using similar component substitution.

Note - Total output power should not exceed 150W 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 our on-line resources as/when available.

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 damage under fault conditions.

TO BE COMPLETED!

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