

The OA-1200-24 utilizes state of the art switch mode technology to convert 120VAC to 24 VDC. It has a maximum output capacity of 1200W and an output range of 24 to 28VDC.

Key Features:

- *Tightly regulated output with Ripple and Noise < 50mV rms.*
- *Tight line-load regulation ensures that the output voltage holds steady from no load to full load.*
- *Protection against low and transient AC line voltages.*
- *High power output requires less total units for application.*

Protection Features:

- *Reverse Polarity Protection.*
- *Brown-Out Input Protection.*
- *Over-Current Protection – cycle by cycle peak as well as rated current limiting to maximize life of power supply.*
- *Over- Temperature Protection.*

Installation Guidelines:

All electrical installations must meet local and national wiring codes and should be performed by a qualified technician.

There are no components within the OA-1200-24 unit that, in their normal operation produce arcs or sparks. However, all electronics have some potential for generating sparks in the event of failure. Therefore, never install this device in the same compartment with flammable items such as gasoline or batteries.

OA-1200 **should not** be mounted in a zero clearance compartment. Provide sufficient air space to allow unrestricted airflow in and around unit. Otherwise, the unit may become over-heated and shut down.

The 24VDC output consists of one 50A circuit. The output is protected from over-current situations and under overload condition will trim output voltage.

The output voltage can be adjusted between 24 and 28VDC. Potentiometer is located on top of unit and can be adjusted by turning knob with fingers. Use of voltmeter should be used on output terminals to adjust output voltage precisely to desired level. Default output voltage is 24VDC.



OA-1200-24-T

Warranty:

The OA-1200-24 power supply is warranted to be free of defects in materials or workmanship under normal use and service. This warranty is in effect for one year from the date of purchase.

If upon the Warrantor's examination the defect proves to be the result of defective workmanship or materials, he equipment will be repaired or replaced at the Warrantor's option without charge, and the returned to the Purchaser at the Warrantor's expense.

No refund of the purchase price will be granted to the Purchaser, unless the Warrantor is unable to remedy the defect after having a reasonable number of opportunities to do so.

Only the Warrantor shall perform warranty service. Any attempt to remedy the defect by anyone other than the Warrantor shall render this warranty void.

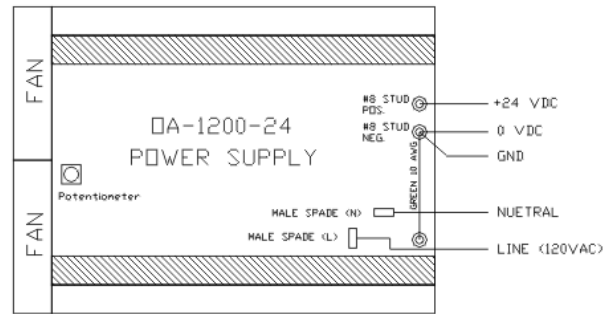
There shall be no warranty for defects or damages caused by faulty installation, abuse, or misuse of the equipment including exposure to excessive heat, salt or fresh water spray or immersion.

The Warrantor assumes no liability for incidental or consequential damages of any kind.

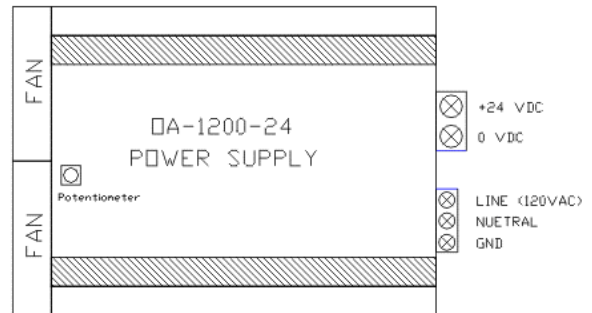
Specifications:

Output Voltage	24 – 28VDC
Output Voltage Tolerance	+ or – 0.5VDC
Output Current Max.	50 Amps
Maximum Power Output, Continuous.	1200 Watts
Ripple and Noise	< 50 mV rms
Input Voltage Range	108–132VAC
Input Voltage Frequency	47 – 63 HZ
Maximum AC Current	20 Amps
Typical Efficiency	> 80%
Max. Inrush Current, Single Cycle	20 Amps
Short Circuit Protection	Yes
Overload Protection	> 100%
Line Regulation	100 mV rms
Load Regulation	< 1 %
Fan Control	Proportional
Working Temp. Range	0 – 40 C
Storage Temp. Range	-20 – 80 C
Withstand Voltage	1240V @ Leads
Dimensions	10” x 6.5” x 3.5”
Weight	7.8 lbs. UL508
Standards	EN55022 Class B, FCC-B

Connections for OA-1200-24-S:



Terminal Connections for OA-1200-24-T:



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