

2000-32-3624 Power Supply

The 2000-32-3624 Power Supply provides +24VDC @ 400W maximum from one of three power sources. The AC input operates from a 90-132VAC or 180-264 VAC input operating anywhere from 47 to 880 Hz. The DC input can be anywhere from +10VDC to +36VDC. The battery input can be between +20 and +36 VDC. The power supply selects the utilized input with the priority of 1-AC, 2-DC and 3-Battery. The power supply is mounted to a 12" x 6" x 0.125" plate which should be mounted to a user provided heat sink using eleven mounting screws and appropriate thermal material. The assembly is 12" x 6" x 2".

EQUIPMENT SPECIFICATIONS*

AC Input Characteristics**

Voltage	90-132VAC or 180-264VAC
AC Frequency	47-880 Hz
Input Power	500W Maximum

DC Input Characteristics**

Voltage	+10VDC to +36VDC
Input Current	47A Maximum

Battery Input Characteristics**

Voltage	+20VDC to +36VDC
Input Current	24A Maximum

DC Output Characteristics**

Voltage/Current	+24VDC @ 14A Max
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Aux DC Output Characteristics - Note: Total

Output Power is 400W Maximum

Voltage/Current	+24VDC @ 2A Max.
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Load Regulation	± 0.5% Maximum
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LED Indicators - NONE

Physical Characteristics - NOT INCLUDING Mating Connectors

Size	12" x 6" x 2"
Weight	≤ 3.5 lbs.
Mounting	11 Screws

Heat Sink Specification (User Provided)

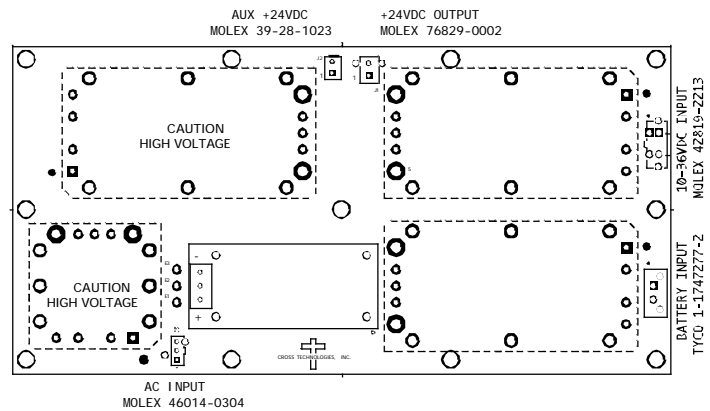
0.50° C/W Maximum Thermal Resistance to Ambient

I/O Connectors

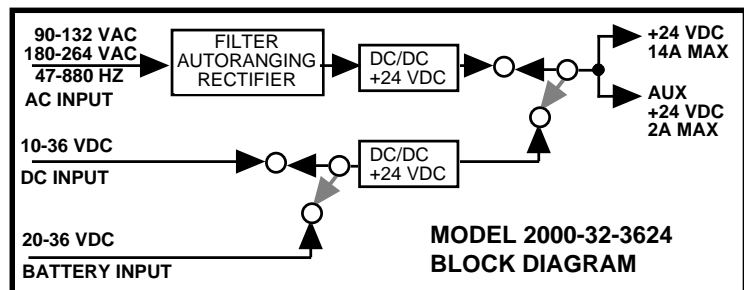
AC Input	Molex 46014-0304
DC Input	Molex 42819-2213
Battery Input	Tyco 1-1747277-2
+24VDC Output	Molex 76829-0002
Aux +24VDC Output	Molex 39-28-102

Environmental

Temperature***	0°C - +50°C
Humidity	< 95%, Non-Condensing



2000-32-3624 LAYOUT / MECHANICAL



**MODEL 2000-32-3624
BLOCK DIAGRAM**

*Specifications subject to change without notice

**Consult Factory for different Input and Output Voltage Requirements

***Temperature specification assumes mounting to minimum specified Heatsink..