

OPTIMAL POWER[®]

OPL Linear Power Series™
AC to DC LINEAR POWER SUPPLY SERIES WITH ALARM SYSTEMS

Model No. OPL524-ES

Multiple-Output
24V @ 2.0Amp
5V @ 5.0Amp

Data Sheet

Revision A

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PROPRIETARY DATA

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OPL Linear Power Series

Model No OPL524-ES



Main Features:

- Linear Power Supply
- Compact Rack Mountable
- 2U Low Profile Height
- 3.50" H x 19" W x 12.12" D
- 220 ~ 230 VAC (Alternate Current) Input
- Filtered IEC AC Inlet Connectors
- EMI FCC Class B Clearance on Power Bricks
- Single and Multiple Output
- Highly Efficient Design
- NO Minimum Load Required
- RS485/RS422 Remote Management
- Low Voltage Power Supply Alarm
- Cost Effective and Reliable Power Supply Solution

Specifications

Electrical

Multiple Output Voltage	5VDC	24VDC
Output Ripple	3mV	3mV
Output Current	5A	2A
Output Power	25W maximum	48W maximum
Overload Protection	Yes	
Input Voltage	220VAC to 230VAC input (2 AC inlet plugs, one for +5VDC output and the other for +24VDC output)	
Input Frequency	47Hz to 63Hz	
Input Current	3A max.	
Remote Management Interface	RS485/RS422	
Fuse Requirements	1A @ 220V	

Typical Safety Ratings for Internal Power Modules:

Designed in full compliance with	UL CSA TUV
EMI / RFI	FCC Class "B" VDE 0871 for Class "B"

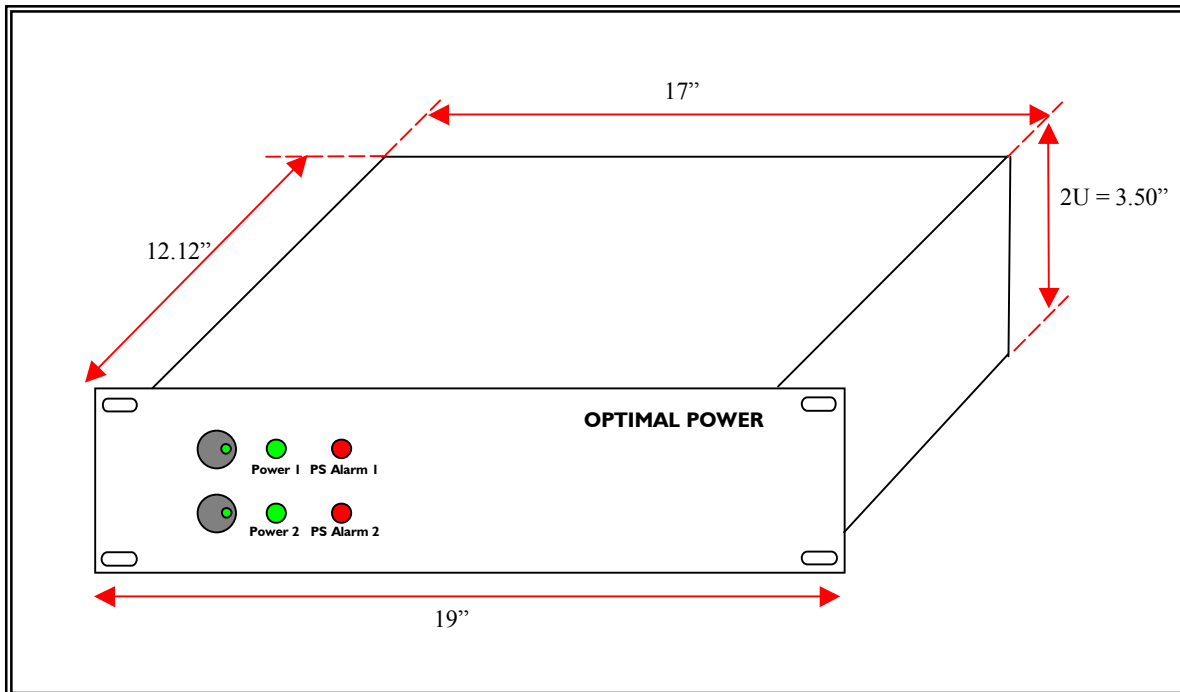
Environmental

Functional Temperature	0 to 50 °C
Efficiency	80-90% Typical

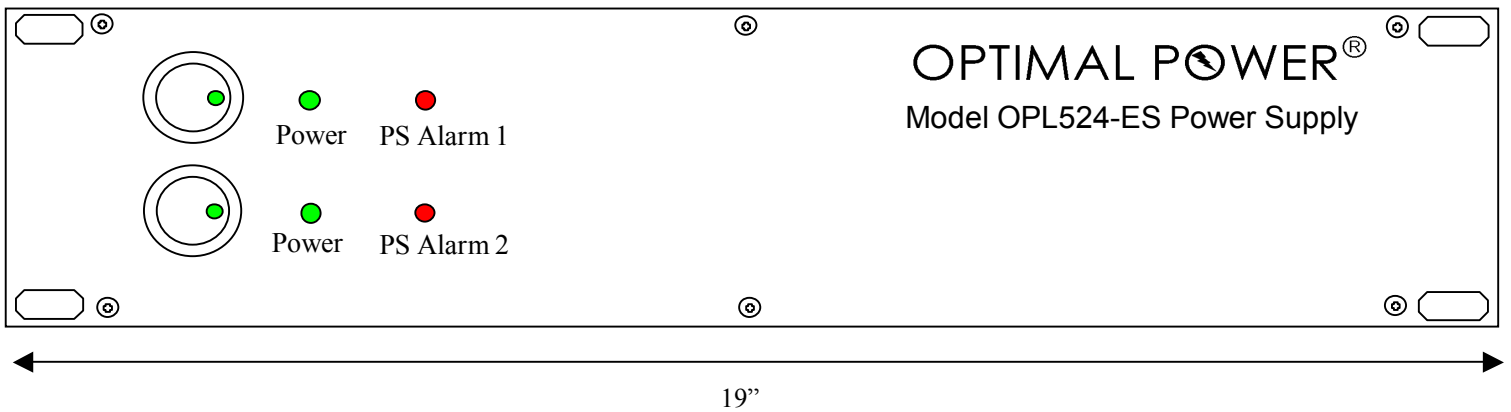
Physical

Dimensions	2U (3.50" H x 19" W x 12.12" D)
Weight	Approx. 20 lbs = 9.07 kg = 320 oz

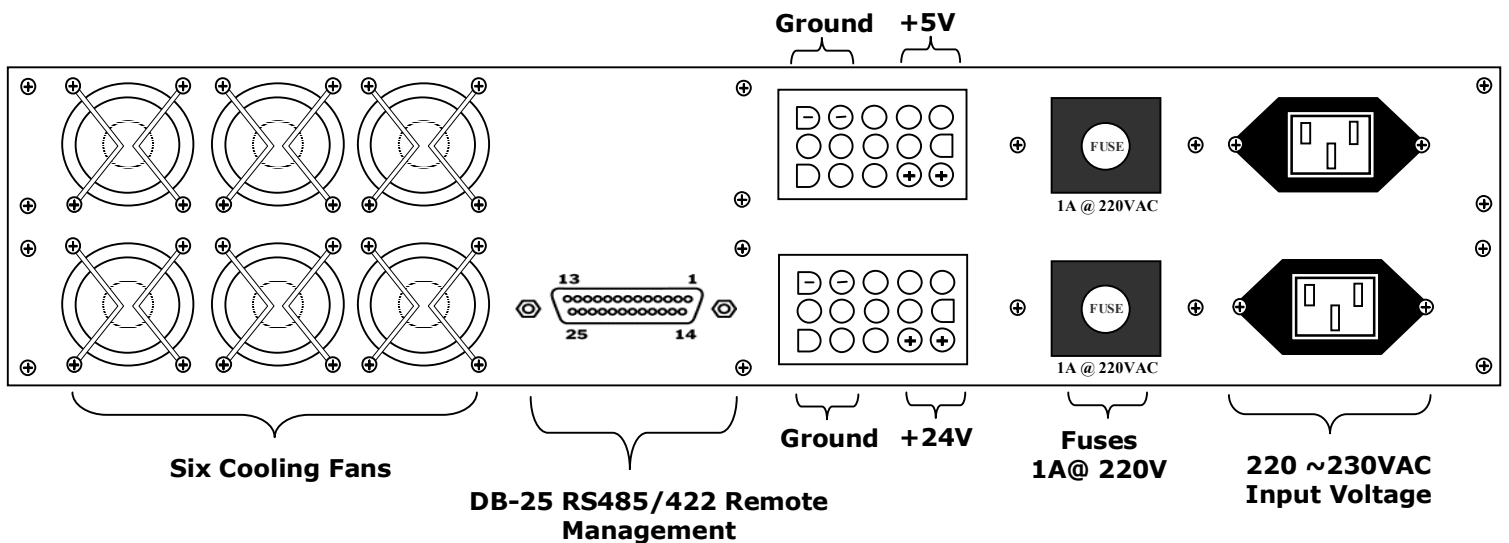
Dimentional Figure



OPL524-ES (Front View)



OPL524-ES (Rear View)



- Pin 1 = Frame Ground
- Pin 3 = + Low Volt Alarm For (+5VDC)
- Pin 16 = - Low Volt Alarm For (+5VDC)
- Pin 7 = Signal Ground For (+5VDC)
- Pin 10 = Signal Ground For (+24VDC)
- Pin 9 = - Low Volt Alarm For (+24VDC)
- Pin 17 = + Low Volt Alarm For (+24VDC)