

## Overview

The 515PS1 Internal Rack Power Supply is designed to provide power to a 517R1 Card Cage Rack. The unit provides a single 13.5 VDC output operating at 6 amps. The power supply accepts an AC input voltage from 100 to 240 VAC, 60/50 Hz. A second power supply can be installed in the 515R1 Rack to provide redundancy.

## Alarm Features

A fiber-fail alarm is built into the 515PS1 power supply and is functional when the card cage rack is populated with receiver cards. The alarm activates when the optical signal input to any receiver card is lost. The alarm activates a buzzer built into the unit, illuminates a front panel LED, and relay contacts with connections on the back panel. The relay output can be connected to a remote device such as a lamp or buzzer, relay contacts are normally open (NO) dry contacts.

## Front Panel Controls and Indicators

The 515PS1 front panel contains DC power and Alarm LED indicators as well as a MUTE switch. The MUTE switch is used to disable the fiber-fail alarm.

## Power Supply Redundancy

The 515PS1 Internal Rack Power Supply is supplied with the 515R1 Card Cage Rack. If power redundancy is required, a second 515PS1 can be installed in the card cage rack. If the primary unit fails, switchover to the redundant power supply is automatic.

## Standard Features

- 110 to 240 VAC, 60/50 Hz input
- 13.5 VDC output at 6 amps (Power Factor 48)
- Supplied with 515R1 Card Cage Rack
- Can be provided as redundant supply with automatic switchover
- Fiber fail and power fail alarms
- Front panel indicator and MUTE switch
- Dry contact or 14 VDC alarm output
- AC power cord supplied

# Internal Rack Power Supply

515PS1



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## Specifications

Electrical	
Input Voltage	100 to 240 VAC, 60/50 Hz
Input Current	0.99 A @ 115 VAC; 0.49 A @ 230 VAC
Power Consumption	113 VA @ 115 VAC
Power Dissipation	28 W @ 115 VAC
Output Voltage	13.5 VDC
Output Current	6 A
Power Factor	48
Fuse Rating	2.0 A, 250 V, slow-blow
Fuse Size	5 x 20 mm, located in pull-out tray on back panel
Connectors	
Power Input	Recessed IEC 320 3-pin male (cable supplied)
Alarm Output	5-pin detachable screw terminal
Mechanical	
Length	9.9" (251 mm)
Width	2.0" (51 mm)
Height	5.25" (133 mm)
Weight	1.9 lbs (0.87 kg)
Construction	Aluminum
Finish	Black semigloss paint
Mounting	Two captive screws
Environmental	
Operating Temperature	-40 to 167 °F (-40 to 75 °C)
Maximum Humidity	95% relative, noncondensing

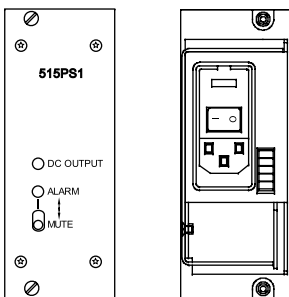
### AGENCY COMPLIANCE



### MADE IN THE USA

Complies with FDA Performance Standard for Laser Products,  
Title 21, Code of Federal Regulations, Subchapter J

## Related Diagram



## Ordering Information

Use the model number below when ordering this product.

**515PS1**

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