

## Overview

The 517EPS1 External Rack Power Supply is designed to supply power to two 517R1 Card Cage Racks. It may also be configured to provide redundant power to a single rack. The unit has two operating channels with a maximum output of 9.0 amps per channel at 13.5 VDC. The 517EPS1 accepts 115/230 VAC, 60/50 Hz inputs.

## Alarm Features

A fiber-fail alarm is built into the 517EPS1 power supply and is functional when a card cage rack is populated with receiver cards. The alarm activates when the optical signal input to any receiver card mounted in the rack is lost. The alarm activates a buzzer built into the unit, illuminates a front panel indicator, 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 517EPS1 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.

## Accessories

The 517EPS1 is supplied with two wiring harnesses that connect to the card cage racks.

## Standard Features

- 115/230 VAC, 60/50 Hz input
- Dual channel, 13.5 VDC output per channel at 9 amps (Power Factor 72)
- Supports two 517R1 card cage racks
- Fiber fail alarm
- Front panel diagnostic indicators
- Two thermostatically controlled fans
- One Rack Unit (RU) high

# External Rack Power Supply

## 517EPS1



U.S.  
T (561) 998-6100  
T 888-GE-SECURITY  
888-(437-3287)  
F 561 998 6224

Canada  
T 519 376 2430  
F 519 376 7258

Asia  
T 852-2907-8108  
F 852-2142-5063

Australia  
T 61-3-9239-1200  
F 61-3-9239-1299

Europe  
T 44-113-238-1668  
F 44-113-253-8121

Latin America  
T 305-593-4301  
F 305-593-4300

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## Specifications

Electrical	
Input Voltage	115 or 230 VAC; 60/50 Hz
Input Current	5 A @ 115 VAC; 2.5 A @ 230 VAC
Output Voltage	13.5 VDC (each channel)
Output Current	9.0 A per channel
Power Factor	72 (each channel)
Redundant Mode Output	13.5 VDC @ 9.0 A
Fuse Rating	5.0 A, 250 V, fast blow
Relay Rating	30 VDC, 0.5 A resistive
Mechanical	
Height	1.73" (44 mm)
Width	19.0" (483 mm)
Depth	11.5" (292 mm)
Weight	7.12 lbs (3.23 kg)
Construction	Aluminum
Finish	Black semigloss paint
Mounting	Mounts in standard EIA 19-inch rack with four screws
Cooling	Two thermostatically controlled fans
Airflow	In through back panel, out through top cover
Connectors	
Power Input	Recessed IEC 320 3-pin male (cable supplied)
DC Power and Alarm Output	Two 5-pin screw terminal barrier strips
Connection to 517R1 Rack	Prefabricated cable (two supplied)
Environmental	
Operating Temperature	-40 to 167 °F (-40 to 75 °C)
Maximum Humidity	95% relative, noncondensing

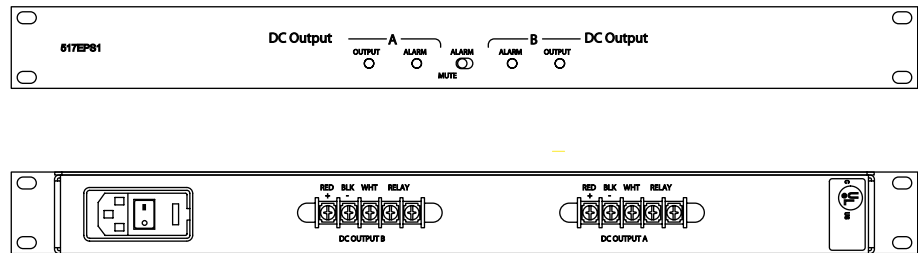
### AGENCY COMPLIANCE

**FCC** PART 15 COMPLIANT **CE** **UL** US

### 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.

**517EPS1**

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