



Product Data Sheet

517EPS1

Fiber Optic Accessories

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

- Universal 115/230 VAC, 60/50 Hz input
- Dual channel, 13.5 VDC output per channel at 9 A (Power Factor 72)
- Supports two 517R1 card cage racks
- Provides redundant power to a single rack
- Fiber fail alarm
- Front panel diagnostic indicators
- Two thermostatically controlled fans
- One Rack Unit (1U) high

517EPS1

Fiber Optic Accessories

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

Standards

- Emissions FCC Part 15, ICES-003, AS/NZ 3548, EN55022
- Immunity ENV50204, EN61000-4-2, -3, -4, -5, -6, -11
- Safety UL 1950, CAN/CSA 22.2, NO. 950-59

517EPS1

Ordering Information

517EPS1
Fiber Optic Accessories

