



**SMCRPU14**  
4 Port Redundant Power Unit



**OVERVIEW**

Redundant power units provide an easy to install and use method of giving you the peace of mind required when managing safety tolerant systems.

This Redundant Power Unit (SMCRPU14) can supply 600 Watts of backup power to four switches in the event of an AC loss or failure of an internal power supply. It ships with four DC Backup Power Cords included (IEC connectors). Thermal overload protection prevents the RPU from overheating if a thermal overload occurs. Over-voltage protection shuts down an output channel if the voltage exceeds

a preset threshold whereas over-current protection shuts down the RPU if the output load exceeds a preset threshold. Short-circuit protection prevents the RPU from being damaged from a short circuit on any output channel. Four status indicators for Link, Activity, Fan, Thermal, and Power are located on the RPUs front panel. While the AC supply and DC backup receptacles are located on the RPUs rear panel. The SMCRPU14 can be mounted in a standard 19-inch equipment rack (brackets included) or on a flat surface.

FEATURES
Supports up to four switches with cables included
Thermal overload protection
Over-voltage protection for each output channel
Over-current protection
Short-circuit protection against output channels



## TECHNICAL SPECIFICATIONS

## SMCRPU14

### PORTS

4 RPU DC power outlets (IEC socket 216C743-07)

### LEDS

Port: Link, Activity  
System: Power, Fan, Thermal

### WEIGHT

5.5 kg (12.1 lbs)

### DIMENSIONS

44.0 x 32.3 x 4.3 cm (17.34 x 12.6 x 1.69 in.)

### TEMPERATURE

Operating: 0 to 45 °C (32 to 110°F)  
Storage: -40 to 70 °C (-40 to 158 °F)

### HUMIDITY

Operating: 20% to 90%  
AC Input  
100 to 240 V, 50 to 60 Hz

### EIA RATINGS

10 A @ 125 VAC  
10 A @ 250 VAC  
DC Power Cable Connector  
14-pin P-Type connector

### POWER SUPPLY

Internal, auto-ranging transformer:  
100 to 240 VAC, 50 to 60 Hz  
Output 11.5 VDC

### POWER CONSUMPTION

644 W (Maximum)  
161 W (Maximum per port)

### MAXIMUM CURRENT

7.8 A @ 110 VAC  
3.5 A @ 240 VAC

### OVERLOAD PROTECTION

Ports are shutdown when output exceeds 150 W

### POWER SUPPLY

+12 VDC  
Initial accuracy: +/- 1%  
Current: 2 A (minimum), 10 A (maximum)  
Line regulation: +/- 1%  
Load regulation: +/- 10%

Overshoot and undershoot: 5%

### COMPLIANCES

CE Mark  
Emissions  
FCC Class B  
Industry Canada Class B  
CISPR Class B  
VCCI Class B  
AS/NZS 3548 (1995) Class B

### IMMUNITY

EN 55024  
Safety  
CSA/ C US (CSA 60950-00 & UL60950)  
CB: IEC 60950  
EN 60950 (TÜV/GS)

## Contact

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