

Appendix A

Technical Specifications Power Supply Module

Ambient Conditions

- Storage temperature: -55°C – 85°C
- Operating temperature: 0°C – 60°C
- Humidity: 5–90% non-condensing
- Altitude: operation from sea level at 60°C to 10,000 feet (3048 meters) at 40°C with linear derating between the two altitudes.

Dimensions

- Height: 11³/₄ Inches 29.8 cm
- Width: 4 Inches 10.2 cm
- Depth: 7³/₄ inches 19.7 cm
- Weight: 8¹/₂ lbs 3.8 kg

Maximum Power Dissipation

- 393 Watts

System Power Requirements

- Input voltage: nominal 120 VAC, 100–132 VAC acceptable range
- Current: 5 Amp at 120 VAC
- Frequency: nominal 50/60 Hz, 47–63 Hz acceptable range
- Protection: 8 Amp 250 VAC AGC normal blow fuse
- Fault current limit: 10KVA

D-C Output

- +5 VDC at 30 amps
- +/-12 VDC at 4 amps
- +/-15 VDC at 1 amp
- Maximum continuous output power: 275 Watts
- Holdover time: 20 msec. minimum after loss of A-C input
- Soft start: output current gradually increases at start-up

Regulation

- Nominal +5 VDC: -3% to +5% regulation
- Nominal +/- 12 VDC: +/- 15% regulation
- Nominal +/- 15 VDC: +/- 1% regulation

Efficiency

- 70% minimum at nominal line voltage and full load

Isolation

- 1500 VAC input to output
- 600 VDC output to chassis

Protection

- Overvoltage: Power Supply will not operate if the +5 VDC output reaches 120% of nominal voltage
- Overcurrent: +5 VDC Power Supply output is protected against excessive output current conditions of 120% of the nominal output

Appendix A (Cont.)

Technical Specifications 16-Slot and 10-Slot Rack

Ambient Conditions

- Storage temperature: -55°C - 85°C
- Operating temperature: 0°C - 60°C
- Humidity: 5-90% non-condensing

Rack Dimensions

M/N 57C331 16-Slot Rack

- Height: 19¹/₈ inches 48.6 cm
- Width: 24⁹/₁₆ inches 62.4 cm
- Depth: 12¹/₄ inches 31.1 cm
- Weight: 105-115 lbs 47-52 kg fully loaded

M/N 57C332 10-Slot Rack

- Height: 19¹/₈ inches 48.6 cm
- Width: 17¹/₁₆ inches 43.3 cm
- Depth: 12¹/₄ inches 31.1 cm
- Weight: 70-80 lbs 32-36 kg fully loaded

Bus Specifications

- Type: Intel Multibus™
- P1 bus connector: IEEE standard P796 bus
- P2 bus connector: IEEE standard P796 modified bus

A-C Line Filter:

- 10 Amp
- 120/250 VAC
- 50/60 Hz

Fans

- Two (2) per Rack
- Nominal power dissipation: 14 Watts each