

Input Specifications

Voltage 100-240Vac ±10% (Active PFC)
Current 6.3A
Frequency 50/60 Hz, Range 47-63 Hz
Efficiency >68% at full load, nominal line input
Inrush Current 80A max @ 25°C cold start
Leakage Current <0.75mA

Output Specifications

Voltage	+5V	+12V	+3.3V	-5V	-12V	+5Vsb
Max load	35.0A	18.0A	28.0A	0.5/0A	1.0/3A	2.0A
Min load	0-1.0A	0-0.5A	0-0.3A	0.0A	0.0A	0.0A
Peak load	---	22.0A	---	---	---	---
Regulation	±5%	±5%	±5%	±5%	±5%	±5%
Ripple & Noise	50mV	120mV	50mV	100mV	120mV	50mV

- The continuous total output power is 300W max
- The combined power of +5V and +3.3V is 200W max
- The -5V, -12V, +3.3V, and +5VSB can be optional
- The combined current of -5V and -12V is 1A max -----Rev A
- The -12V is 3A max when -5V is not present -----Rev B
- The peak load on +12V lasting 15 seconds max
- Add 0.1uF and 10uF capacitors across output terminal during ripple & noise test

Remote ON/OFF TTL High/PS-OFF; TTL Low/PS-ON
Hold-Up Time 16msec (minimum) at full load, nominal line I/P
Power Good Delay 100-500 msec
Power Fail Delay >1 msec
Transient Overshoot 10% max with 20% load change
Rise Time 20ms max at full load
Power Up Time 800ms max at full load
Temp. Coefficient 0.03% per °C max

Protection Specifications

Short Circuit All outputs to GND
Over power 150% max
Over Voltage +3.3V output 4.10V±0.40V
Over Voltage +5.0V output 6.25V±0.75V

Over Voltage +12.0V output 14.6V±1.00V

Dielectric Withstand Voltage

Primary to Secondary 4242VDC for 1 minute
Primary to Earth GND 2800VDC for 1 minute
Insulation Resistance Primary to earth ground – 500Vdc, 50M ohms

Conducted EMI

Meet FCC Class B, 115Vac operation
Meet CISPR 22 Class B, 230Vac operation
Meet VCCI Class 2

Safety Standards

UL 60950 E193705
CUL 60950 E193705
TUV EN 60950 R 72030084
CB Report US-TUVR-1368
CE

Environmental Specifications

Operating Temp. 0°C to +50°C
Storage Temp. -20°C to +60°C
Operating Humidity 20% to 90%, non-condensing at 40°C
Storage Humidity 5% to 95%, non-condensing at 50°C
Operating Altitude 0 to 10,000 feet
Storage Altitude 0 to 50,000 feet

MTBF @ 25°C (Calculated - MIL-217F)

100K HRS. at full load

Dimensions

W x H x D See mechanical drawing for detail
 zz = 80: with Inlet and Power Switch
 zz = 85: with Input Power Cable
 zz = 88: with Inlet and SW Cable
 zz = 89: with Inlet only