

## Input Specifications

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

## Output Specifications

Voltage	+5V	+12V	+3.3V	-5V	-12V	+5Vsb
<b>Max load</b>	30.0A	14.0A	22.0A	0.5/0A	1.0/3A	2.0A
<b>Min load</b>	0-0.5A	0-0.5A	0-0.3A	0.0A	0.0A	0.0A
<b>Peak load</b>	---	17.0A	---	---	---	---
<b>Regulation</b>	±5%	±5%	±5%	±5%	±5%	±5%
<b>Ripple &amp; Noise</b>	50mV	120mV	50mV	100mV	120mV	50mV

- The continuous total output power is 250W max
- The combined power of +5V and +3.3V is 150W 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

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

## Protection Specifications

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

**Over Voltage** +12.0V output 14.6V±1.00V

## Dielectric Withstand Voltage

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

## Conducted EMI

<b>Meet FCC</b>	Class B, 115Vac operation
<b>Meet CISPR 22</b>	Class B, 230Vac operation
<b>Meet VCCI</b>	Class 2

## Safety Standards

<b>UL 60950</b>	E193705
<b>CUL 60950</b>	E193705
<b>TUV EN 60950</b>	R 72030084
<b>CB Report</b>	US-TUVR-1368
<b>CE</b>	

## Environmental Specifications

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

## MTBF @ 25°C (Calculated - MIL-217F)

100K HRS. at full load

## Dimensions

<b>W x H x D</b>	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