



### FEATURES

- Fully guardbanded circuits
- Heavy-duty nickel case
- Standard PS/2 form factor
- Overload, over voltage, over temperature, and short circuit protection
- Hi-pot tested, and full load burn-in
- UL, CUL, and TUV safety approvals
- Built-in line filter to meet FCC Class B
- 50K hours MTBF @ 25°C

#### Cooling:

By ball-bearing fan, 37.1 CFM

#### Storage temperature:

-20°C to +60°C

### ELECTRICAL SPECIFICATIONS

Input voltage range .....	-32VDC to -72VDC
Input current .....	17A
Efficiency.....	>70% at full load
Output voltage .....	See table below
Short circuit protection .....	On all outputs
Over voltage protection .....	+5V (max. 6.25V) +12V (max. 14.60V) +3.3V (max. 4.10V)
Overload protection .....	150% of full load, shutdown
Hold-up time .....	16ms at full load @ -48VDC
Withstand voltage .....	I/P-O/P: 1.5KV, I/P-FG: 1.5KV, 1 min
Power good signal .....	TTL compatible (100ms - 500ms)

Output	Voltage	Max. Load	Min. Load	Load Reg.	Line Reg.	Ripple & Noise <sup>1</sup>
V1 <sup>2</sup>	+3.3V	20A	0.1A	±5%	±1%	100mV
V2 <sup>2</sup>	+5V	32A	2.5A	±5%	±1%	100mV
V3	+12V	11A	0.5A	±5%	±1%	150mV
V4	-5V	1.0A	0A	±5%	±1%	200mV
V5	-12V	1.0A	0A	±5%	±1%	200mV
V6	+5Vsb	0.75A	0A	±5%	±1%	100mV

1. Peak to peak with 20Mhz bandwidth and 10uF in parallel with 0.1uF capacitor.
2. Total combined current from +3.3V and +5V is 32A.

### SAFETY & NOISE

Meets Safety Approvals:

**UL 1950**

**CUL**

**TUV EN60950**

Meets EMI:

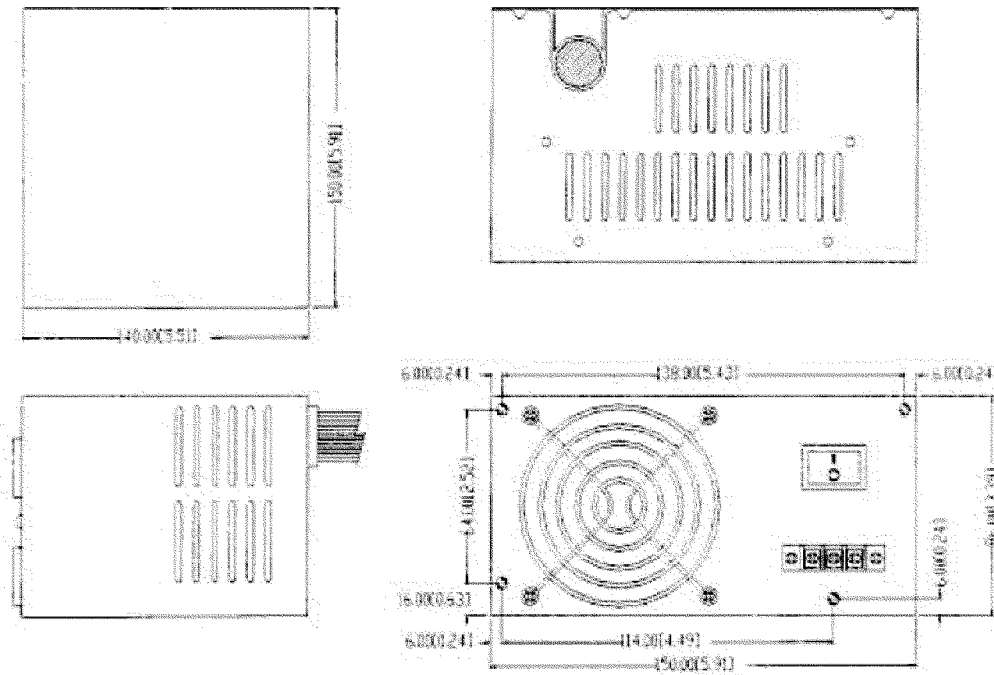
**FCC Class B**

**CISPR22 Class B**

**VCCI Class 2**

*\*Specifications subject to change without notice*

### MECHANICAL SPECIFICATIONS



### PIN OUTPUTS

Connector	Pin	Output
<b>ATX</b>	1	+3.3V
	2	+3.3V
	3	Common
	4	+5V
	5	Common
	6	+5V
	7	Common
	8	POK
	9	+5Vsb
	10	+12V
	11	+3.3V
	12	-12V
	13	Common
	14	PS-ON
	15	Common
	16	Common
	17	Common
	18	-5V
	19	+5V
	20	+5V
<b>5.25" HDD</b>	1	+12V
	2	Common
	3	Common
	4	+5V
<b>3.5" FDD</b>	1	+12V
	2	Common
	3	Common
	4	+5V

