



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
- Auto voltage select option
- 50K hours MTBF @ 25°C

ENVIRONMENTAL

Operating temperature:
0°C to 50°C

Cooling:
By ball-bearing fan, 37.1 CFM

Storage temperature:
-20°C to +60°C

ELECTRICAL SPECIFICATIONS

Input voltage range	90 - 132VAC / 180 - 264VAC (optional auto voltage select)
Input frequency	47 - 63Hz
Input current.....	8.0A @ 115VAC / 5.0A @ 230VAC
Leakage current.....	<3.5mA @ 264VAC / 60Hz
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	20ms at full load @ 115/230VAC
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 ¹
V1 ²	+3.3V	20A	0.1A	±5%	±1%	100mV
V2 ²	+5V	42A	2.5A	±5%	±1%	100mV
V3	+12V	14A	0.5A	±5%	±1%	150mV
V4	-5V	1.0A	0A	±5%	±1%	200mV
V5	-12V	1.0A	0A	±5%	±1%	200mV
V6	+5Vsb	1.0A	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 42A.

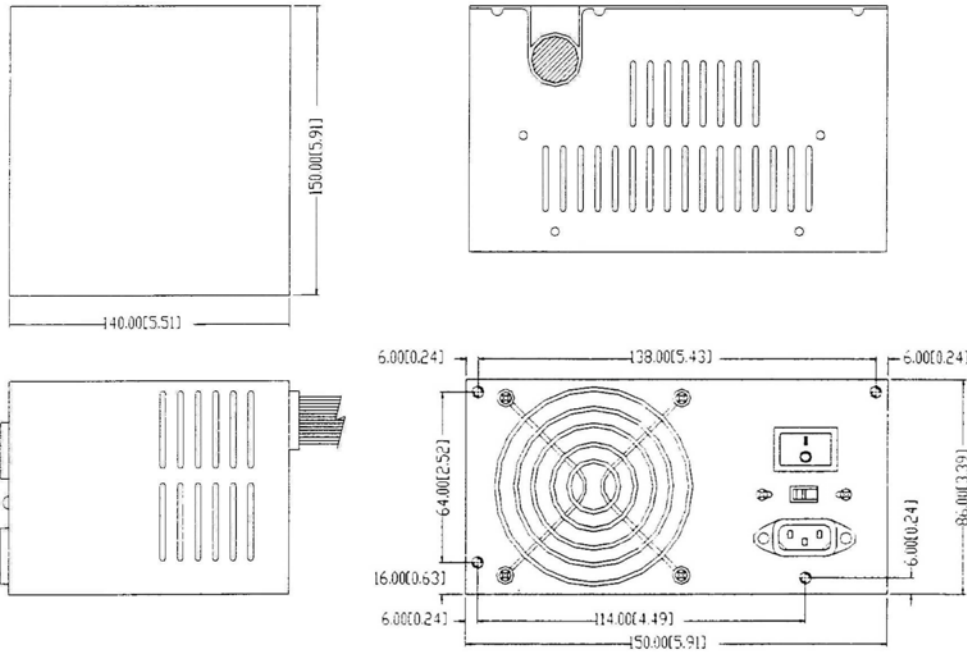
SAFETY & NOISE

Safety approvals:
UL 1950
CUL
TUV EN60950
CE Mark

Meets EMI:
FCC Class B
CISPR22 Class B
VCCI Class 2

**Specifications subject to change without notice*

MECHANICAL SPECIFICATIONS



PIN OUTPUTS

Connector	Pin	Output
ATX	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
5.25" HDD	1	+12V
	2	Common
	3	Common
	4	+5V
3.5" FDD	1	+12V
	2	Common
	3	Common
	4	+5V

