



Description:

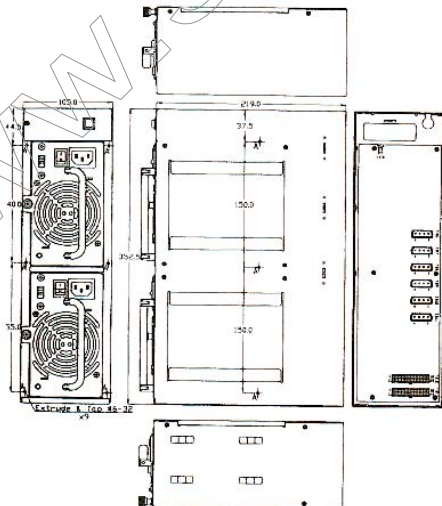
A parallel design shelf with two internal O-Ring diode redundant and remote ON/OFF supplies (SNP-R400) supports up to 5 outputs for the ATX Sub-system application.

General Specifications:

Input voltage 90 VAC to 130 VAC
 180VAC to 260VAC, selectable
 Input frequency 47 Hz to 63 Hz
 Input current 12A at 115VAC, 6A at 230VAC
 Inrush current less than 60A at 115VAC, cold start 25°C
 Outputs See output table
 Efficiency 68% typical
 Hold up time > 16ms, at nominal line and rated load
 Over current protection latch off
 Short circuit protection latch off

Over voltage protection latch-off
 Redundancy two SNP-R400 in parallel
 Power fault alarm available
 PSU fan fail alarm available
 Power good normally high
 Operating temperature 0°C to 40°C
 Cooling forced air convection
 Storage temperature -40°C to +75°C
 EMI FCC 20780 "B", EN55022 "B"
 Safety UL 1950 (NRTL)
 CSA 22.2 No. 234-M90/NO.950-95
 TUV EN60950

Mechanical Specifications:



Notes:

- Dimensions shown in mm as left.
Tolerance: ±0.8mm.
- Size:
352.5 x 219 x 105 (mm)
- Connectors:
AC inlet : meet IEC 320
DC CONNECTOR :
ATX: Molex 39-28-8200 or equivalent
Driver: LCU 601 or equivalent
LED: Molex 5045-02A or equivalent

**Output Specifications:**

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.				
DTB-R400	+5V	4A	25A	40A	+4.9V~+5.2V	50mVpp	±1%	±5%
	+12V	1A	16A	20A	+11.4V~+12.6V	120mVpp	±1%	±5%
	-12V	0.1A	1A	1.2A	-11.3V~-12.6V	120mVpp	±1%	±5%
	-5V	0.1A	1A	1.2A	-4.65V~-5.25V	120mVpp	±1%	±5%
	+3.3V	1A	20A	25A	+3.15V~+3.65V	50mVpp	±2%	±5%
	+5Vsb			0.75A		+4.8V~+5.2V	120mVpp	±1%

* 5Vsb for DC ON/OFF remote control.

* 200W for +5V and +3.3V combined output.

Note:

1. The total continuous power should be kept within 400W.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47 μ F capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time which the +5V output drops down to +4.75V at rated load and nominal line.
7. Efficiency is measured at rated load and nominal line.

Ken

