Features:

- Designed for industrial PC, work stations and equivalent systems
- Efficiency > 75%
- PFC > 0.95 meet EN61000-3-2 class "D"
- -20°C can start up
- PS2 size mounting
- Meet UL, CSA, and TUV safety agency

General Specifications:

Input voltage ..... 90VAC to 264VAC

Efficiency ..... higher than 75% at rated load

Short circuit protection ..... hiccup

Over voltage protection ..... latch off

Operating temperature ..... 0°C to 70°C, derating: 2% / °C > 50°C

Inrush current ..... less than 30A at 115VAC
less than 60A at 230VAC

Cooling ..... forced air convection

Hold up time ..... 20ms at rated load and 115VAC

Storage temperature ..... -40°C to +75°C

Humidity ..... up to 95% non condensing

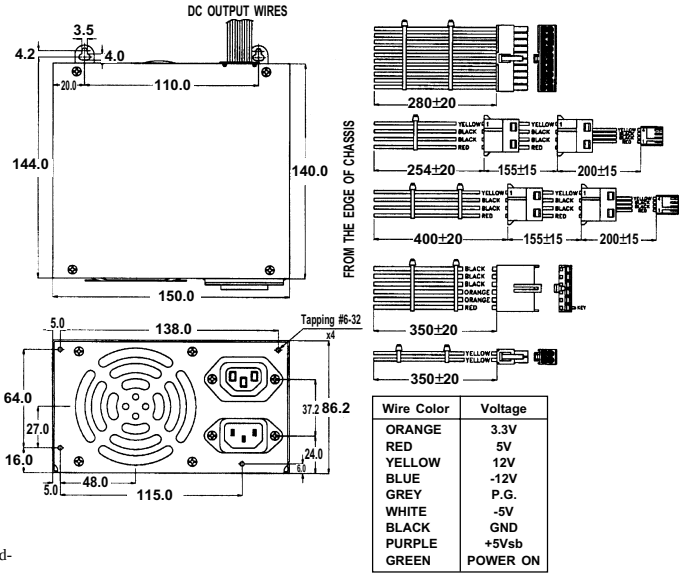
EMI radiation..... FCC "B", EN55022 "B"

EMS EN61000-4-2,-3,-4,-5,-6,-8,-11

Safety ..... meet UL 60950
CSA C22.2 No. 60950, EN60950-1

Mechanical Specifications:

SNP-AX40



Wire Color	Voltage
ORANGE	3.3V
RED	5V
YELLOW	12V
BLUE	-12V
GREY	P.G.
WHITE	-5V
BLACK	GND
PURPLE	+5Vsb
GREEN	POWER ON

Notes:

1. Dimensions shown in mm as left. Tolerance specified is ± 0.8mm.
2. Size: 150 X 140 X 86.2 (mm)
3. Packing:
   For SNP-AT30
   Net weight: 1760 g approx. / unit
   Gross weight: 16 kg approx. / carton, 8 units / carton
   Carton size (mm): 530 (L) x 530 (W) x 270 (H)
   For SNP-AX40
   Net weight: 2040 g approx. / unit
   Gross weight: 18.5 kg approx. / carton, 8 units / carton
   Carton size (mm): 530 (L) x 530 (W) x 270 (H)
4. AC Connector:
   AC inlet: Meet IEC 320/CEE 22 standard
   AC outlet: Meet IEC 320 (Reverse type)
5. DC Connector::
   ATX main power : Molex 39-01-2200 or equivalent
   Auxiliary power : Burndy GTC6P-1 or equivalent
   Disk driver : AMP 1-480424-0 or equivalent
   Floppy driver : AMP 171822-4 or equivalent
   +12V power : Molex 39-01-2040 or equivalent

-Ted-

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
		MIN.	RATED	MAX.					
SNP-AT30	+5V	3A	30A	40A	+4.9V~+5.3V	50mVpp	±1%	±3%	
	+12V	0.1A	10A	12A	+11.28V~+12.72V	120mVpp	±1%	±5%	75%
	-12V	0A	2A	3A	-11V~-13V	120mVpp	±1%	±5%	
	-5V	0A	0.5A		-4.75V~-5,25V	50mVpp	±1%	±3%	
SNP-AX40	+5V	2A	30A	40A	+4.8V~+5.2V	50mV	±1%	±5%	
	+12V	0.2A	12A	15A	+11.4V~+12.6V	120mV	±1%	±5%	
	-12V	0A	1A		-11.4V~-12.6V	120mV	±1%	±5%	75%
	-5V	0A	0.5A		-4.75V~-5.25V	50mV	±1%	±5%	
	+3.3V	1A	25A	30A	+3.14V~+3.47V	50mV	±1%	±5%	
	+5Vsb	0A	2A		+4.75V~+5.25V	50mV	±1%	±5%	

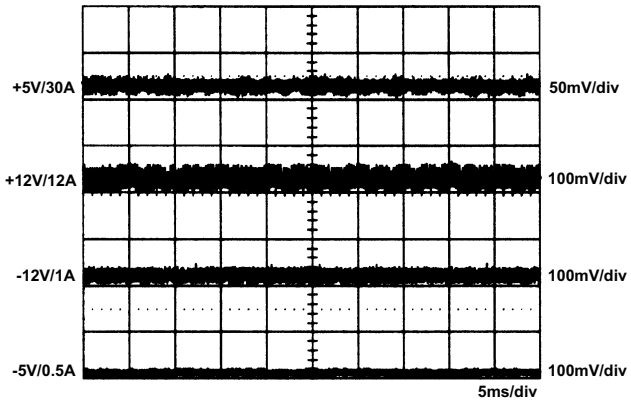
Notes:

1. Each output can provide up to max. load separately when the power supply starts up. To exceed the max. output power continuously is not allowed.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±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 0.47μF 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 main output drops down to low limit of main output at rated load and nominal line.
7. Efficiency is measured at rated load and nominal line.

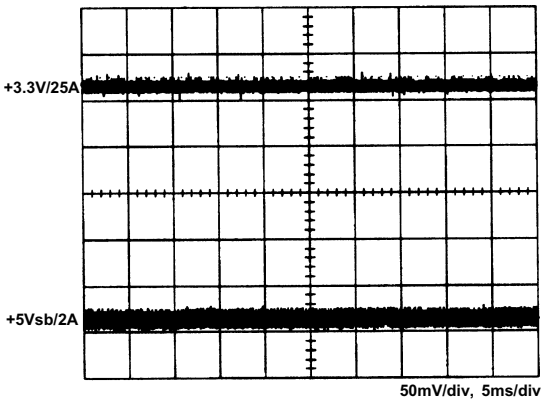
-Ted-

Performance for SNP-AX40:

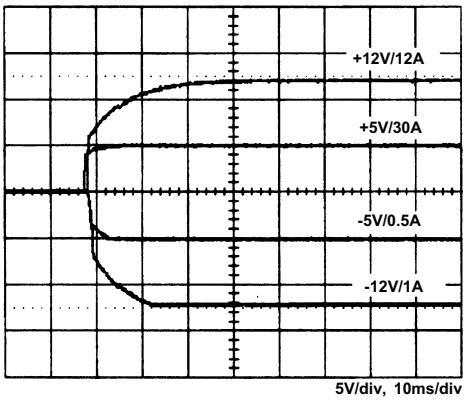
1. Line frequency ripple



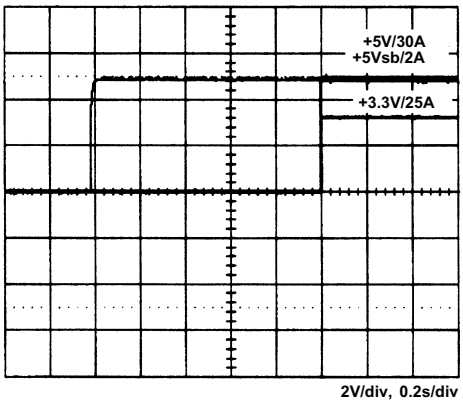
2. Line frequency ripple



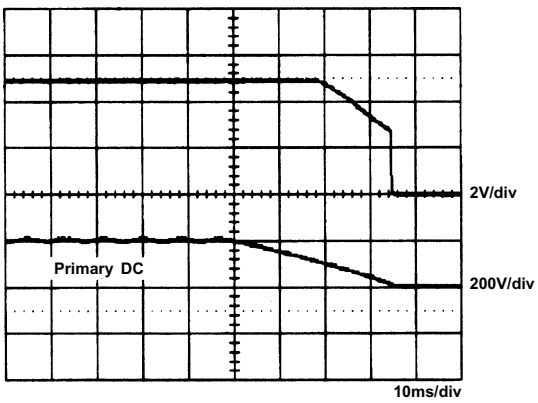
3. Output turn on wave form



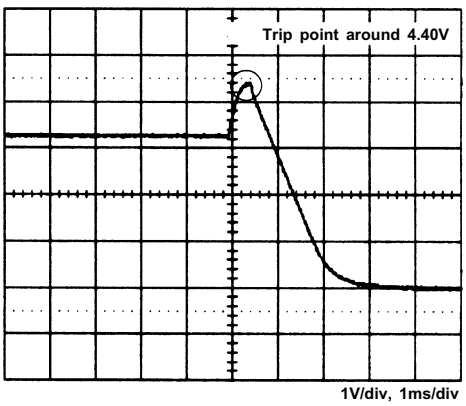
4. Output turn on wave form



5. Hold up time

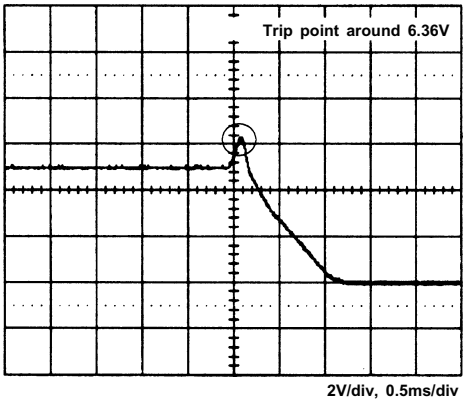


6. +3.3V over voltage protection

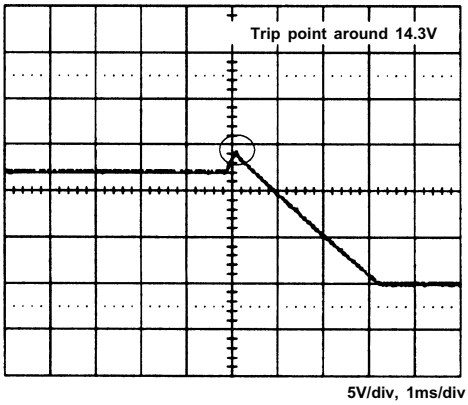


-Ted-

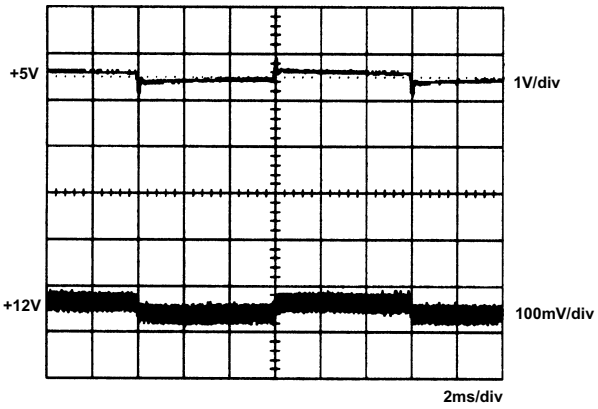
7. +5V step response



8. +12V step response

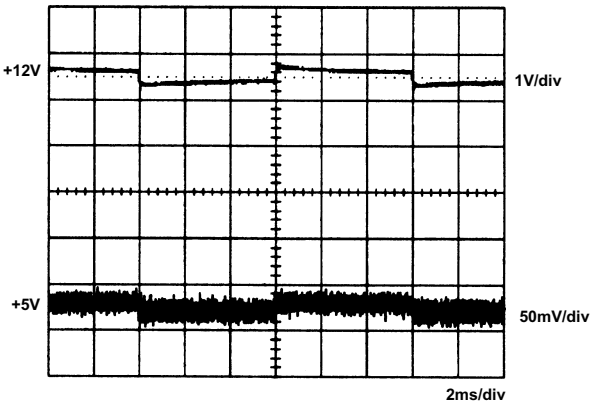


9. +5V step response



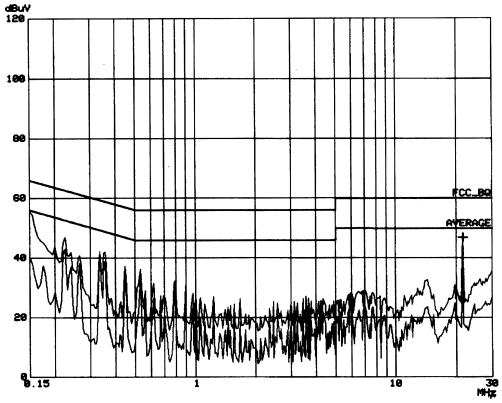
+5V step from 6A to 30A
other output at 60% load

10. +12V step response

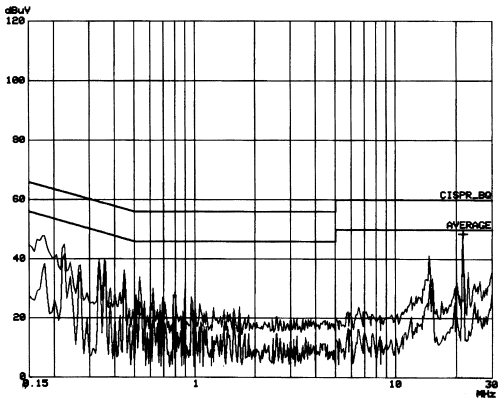


+12V step from 2.4A to 12A
other output at 60% load

11. FCC B



12. EN 55022 B



-Ted-