



Features:

- 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

Applications:

- For industrial PC, work stations and equivalent systems

General Specifications:

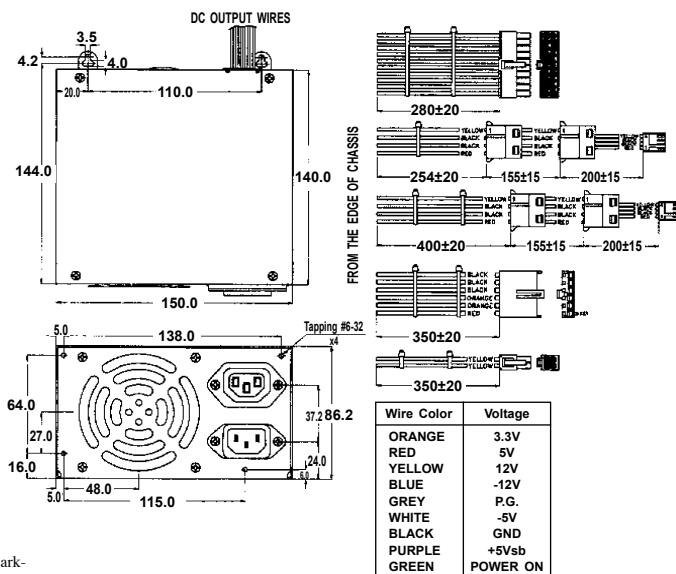
Input voltage 90VAC to 264VAC
 Efficiency > 75% at rated load
 Short circuit protection hiccup
 Over voltage protection latch off
 Operating temperature 0°C to 70°C, derating: 2% / °C > 50°C
 Inrush current < 30A at 115VAC
 (cold start at 25°C) or < 60A at 230VAC

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



Notes:

1. Dimensions shown in mm as left. Tolerance specified is $\pm 0.8\text{mm}$.
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

-Clark-

10 years Warranty (contact Skynet's Distributors for details)

Output Specifications:

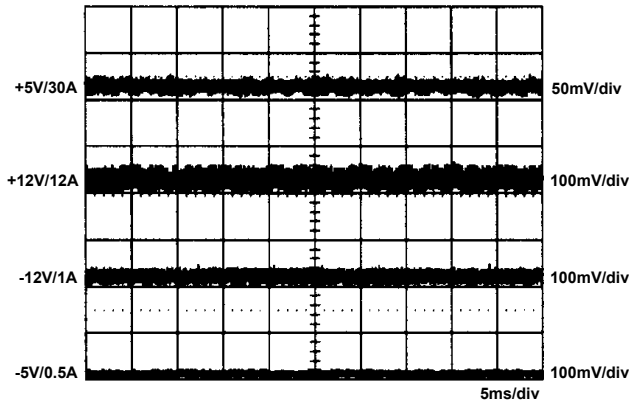
MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
		MIN.	RATED	MAX.	PEAK					
SNP-AT30	+5V	3A	30A	40A		+4.9V~+5.3V	50mVpp	±1%	±3%	75%
	+12V	0.1A	10A	12A		+11.28V~+12.72V	120mVpp	±1%	±5%	
	-12V	0A	2A	3A		-11V~-13V	120mVpp	±1%	±5%	
	-5V	0A	0.5A			-4.75V~-5.25V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

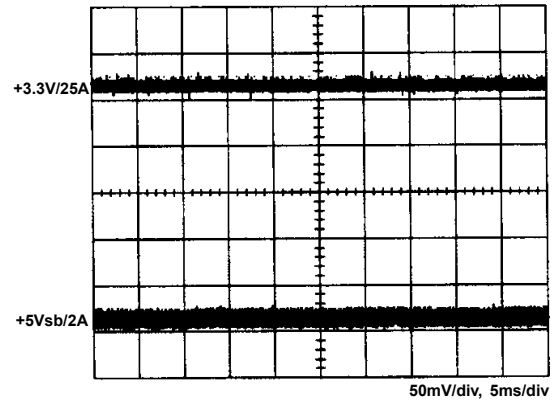
1. Each output can provide up to max. load separately when the power supply starts up. To exceed the max. output power continuously is not allowed.
2. At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range.
3. Line regulation is defined by changing ±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.

Performance for SNP-AX40:

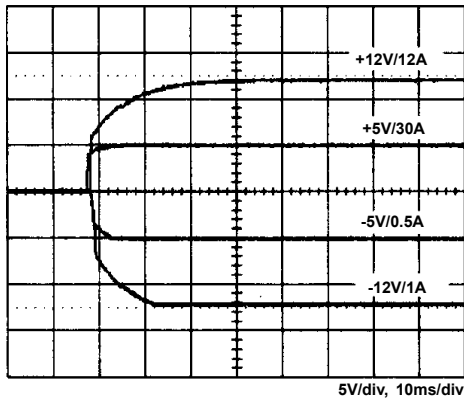
1. Line frequency ripple



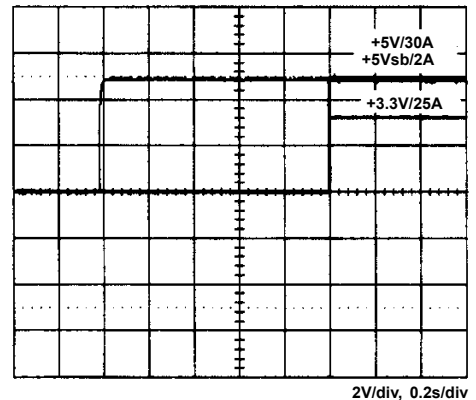
2. Line frequency ripple



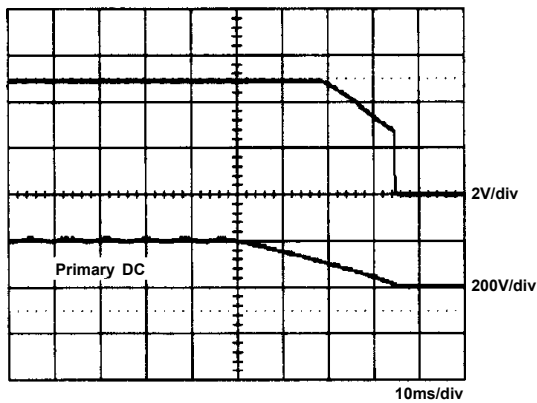
3. Output turn on wave form



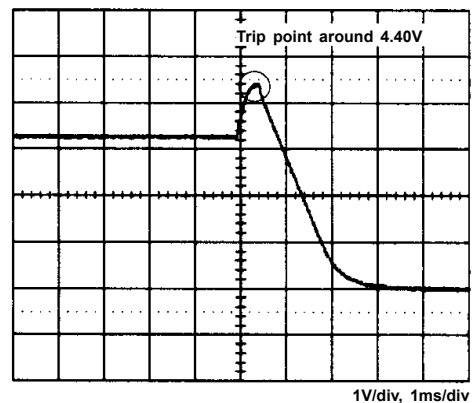
4. Output turn on wave form



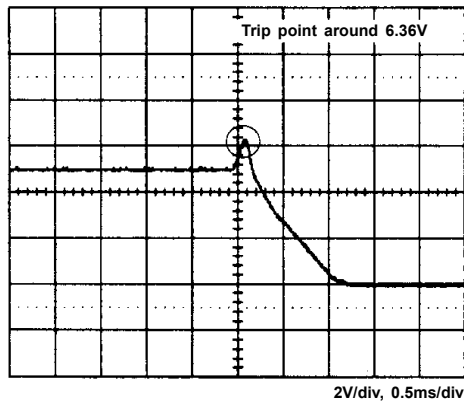
5. Hold up time



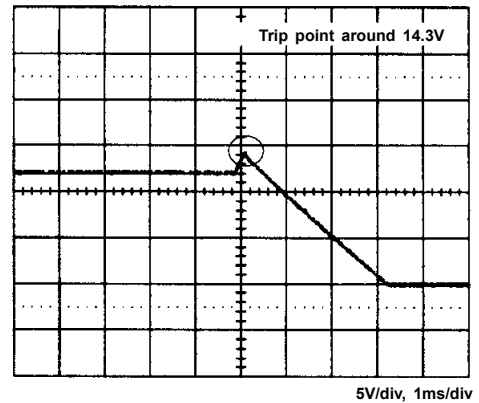
6. +3.3V over voltage protection



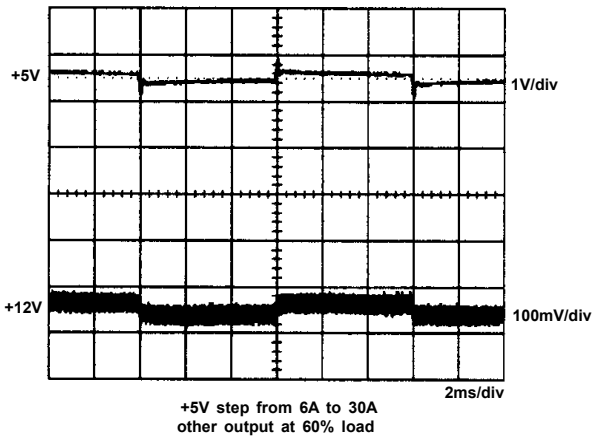
7. +5V step response



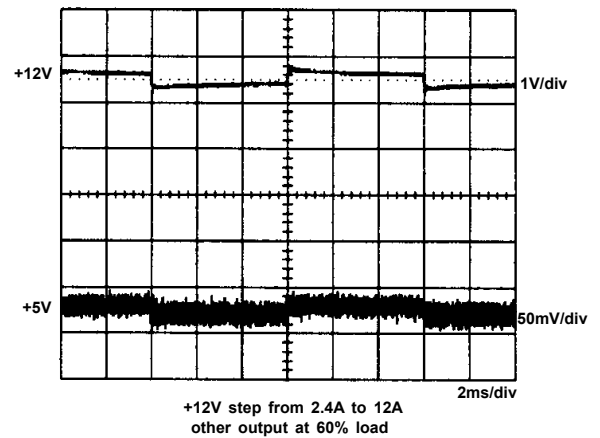
8. +12V step response



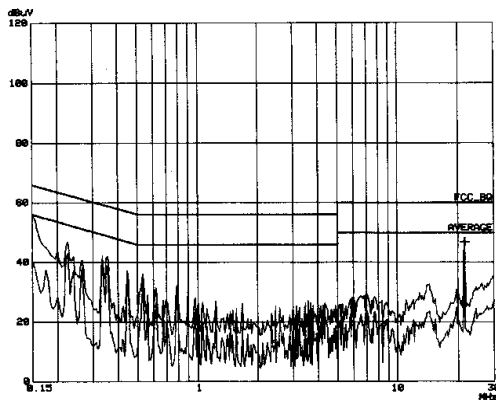
9. +5V step response



10. +12V step response



11. FCC B



12. EN 55022 B

