

5.91" x 9.01" x 1.61"

General Specifications:

Input voltage 90VAC to 264VAC
 Efficiency > 80% at rated load
 Short circuit protection hiccup
 Over voltage protection latch off
 Thermal protection built-in 120±5°C thermal switch
 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

Features:

- Fanless, 1U mounting
- Efficiency > 80%
- PFC > 0.95 meet EN61000-3-2 class "D"
- Designed with patent granted soft-switching topology
- -20°C can start up
- Meet UL, CSA, and TUV safety

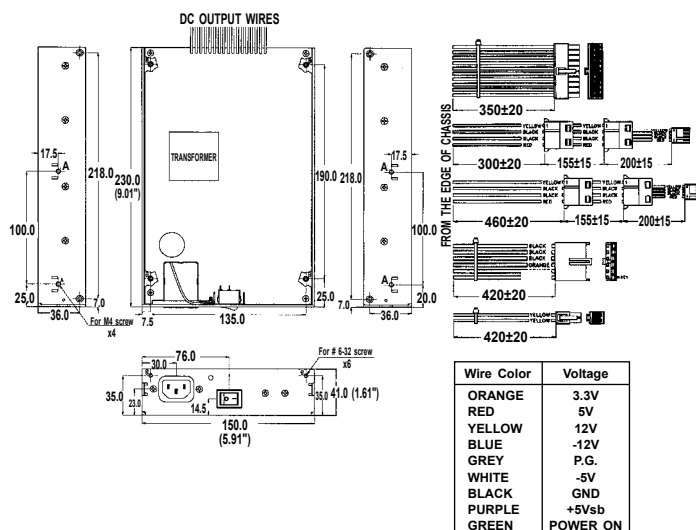
Applications:

- For industrial PC, work stations and equivalent systems

Cooling 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", EN61000-3-2 "D"
 EMS EN61000-4-2,-3,-4,-5,-6,-8,-11
 Safety meet UL 60950-1
 CSA C22.2 No. 60950-1, EN60950-1

Mechanical Specifications:

SNP-AX30



Notes:

1. Size:
5.91" x 9.01" x 1.61"
2. AC Connector:
AC inlet: Meet IEC 320/CEE 22 standard
AC switch: Rocker Switch
3. DC Connector:
ATX main power connector : Molex 39-01-2200 or equivalent
Auxiliary power connector : Burndy GTC6P-1 or equivalent
Disk driver : AMP 1-480424-0 or equivalent
Floppy driver connector : AMP 171822-4 or equivalent
+12V power connector : Molex 39-01-2040 or equivalent
4. Packing:
Net weight: 1670 g approx. / unit
Gross weight: 15.5 kg approx. / carton, 8 units / carton
Carton size (mm): 427 (L) x 343 (W) x 419 (H)

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

Output Specifications:

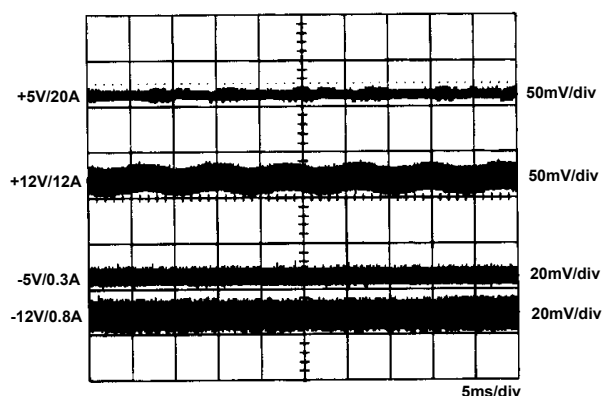
MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
		MIN.	RATED	MAX.	PEAK					
SNP-AX30	+5V	3A	20A	25A		+4.75V~+5.25V	50mVpp	±1%	±5%	80%
	+12V	1A	12A	15A	18A	+11.4V~+12.6V	120mVpp	±1%	±5%	
	-12V	0A	0.8A			-10.8V~-13.2V	120mVpp	±1%	±10%	
	-5V	0A	0.3A			-4.5V~-5.5V	50mVpp	±1%	±10%	
	+3.3V	3A	10A	20A		+3.14V~+3.47V	50mVpp	±1%	±5%	
	+5Vsb	0A	1A	2A		+4.75V~+5.25V	50mVpp	±1%	±5%	

Note:

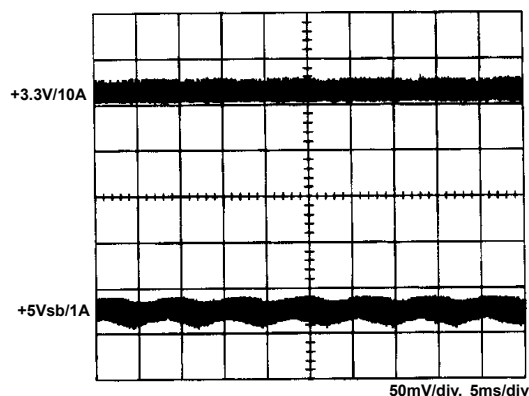
- Each output can provide up to max. load separately when the power supply starts up. To exceed the max. output power continuously is not allowed.
- At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range.
- Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load at another output set to 60% rated load.
- Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a $0.47\mu F$ capacitor at rated load and nominal line.
- 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.
- Efficiency is measured at rated load and nominal line.

Performance for SNP-AX30:

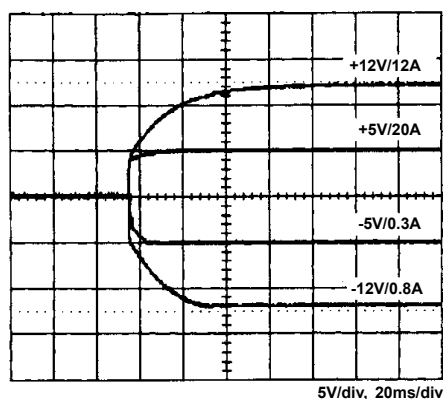
1. Line frequency ripple



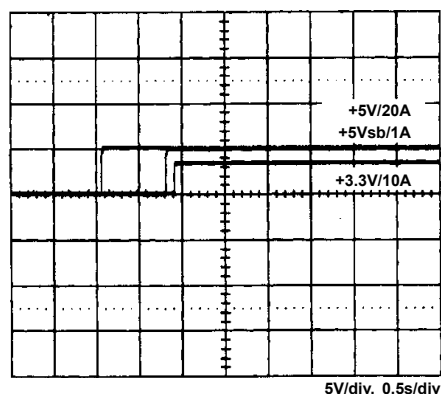
2. Line frequency ripple



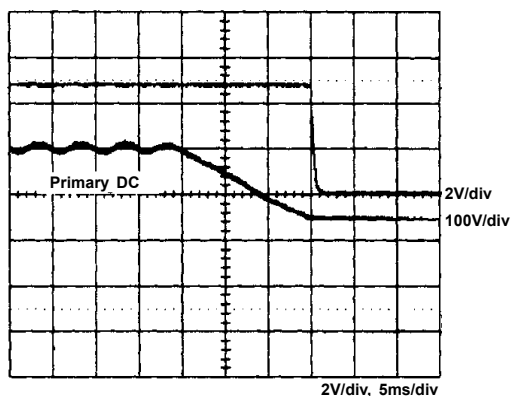
3. Output turn on wave form



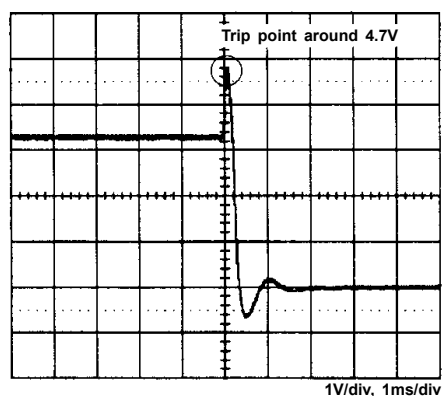
4. Output turn on wave form



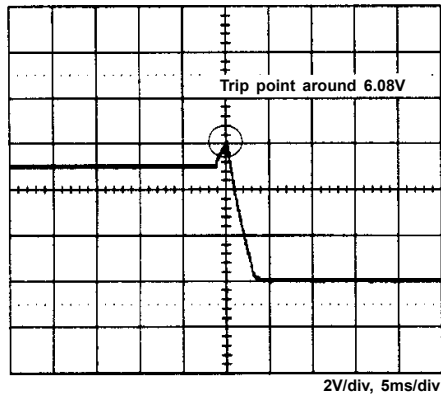
5. Hold up time



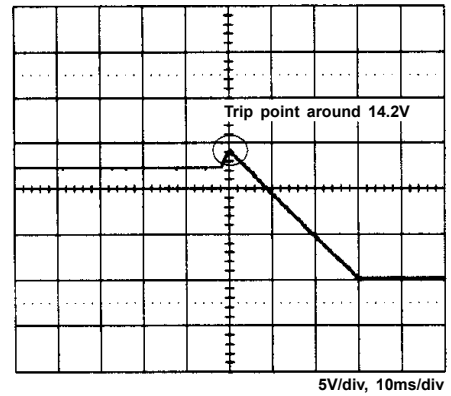
6. +3.3V over voltage protection



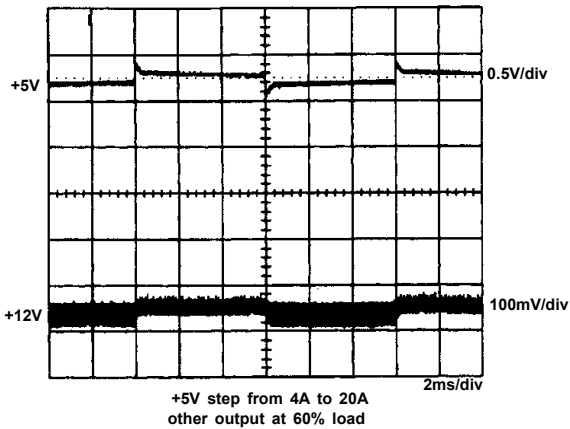
7. +5V over voltage protection



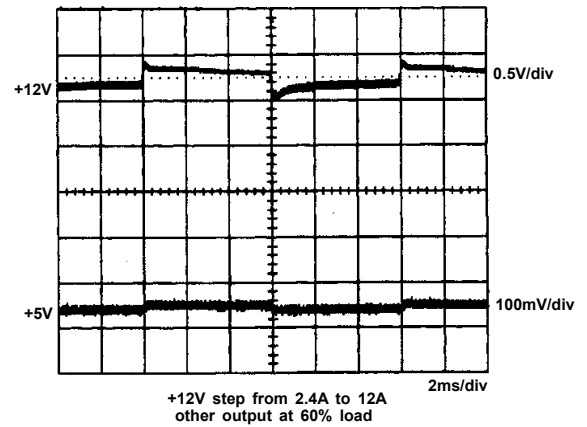
8. +12V over voltage protection



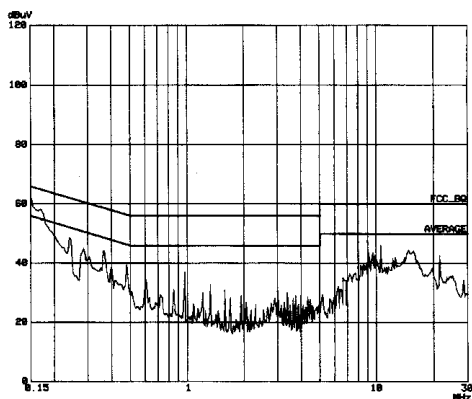
9. +5V step response



10. +12V step response



11. FCC B



12. EN 55022 B

