

### 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

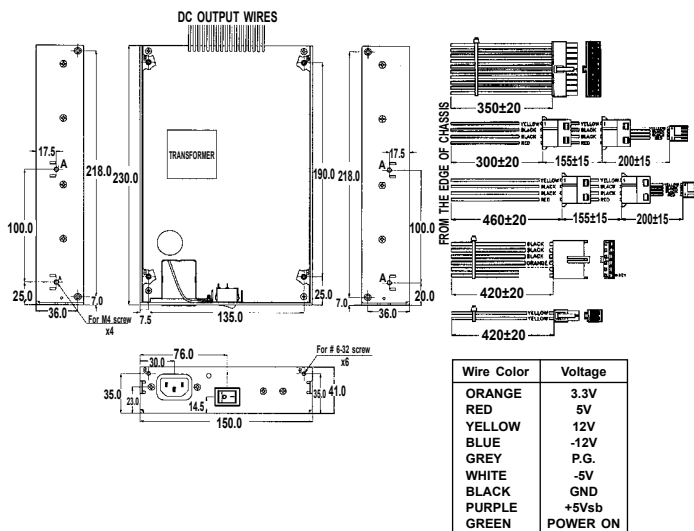
### General Specifications:

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

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. Dimensions shown in mm as left. Tolerance specified is ±0.8mm.
2. Size: 230 x 150 x 41 (mm)
3. 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)
4. AC Connector:  
 AC inlet: Meet IEC 320/CEE 22 standard  
 AC switch: Rocker Switch
5. 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

-Clark-

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

## Output Specifications:

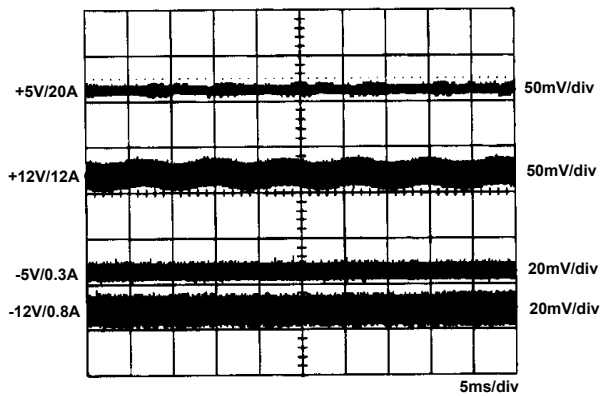
MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.	EFFICIENCY TYPICAL
		MIN.	RATED	MAX.	PEAK					
SNP-AX30	+5V	3A	20A	25A		+4.75V~+5.25V	50mVpp	±1%	±5%	80%
	+12V	1A	12A	15A	18A	+11.4V~+12.6V	120mVpp	±1%	±5%	
	-12V	0A	0.8A			-10.8V~-13.2V	120mVpp	±1%	±10%	
	-5V	0A	0.3A			-4.5V~-5.5V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

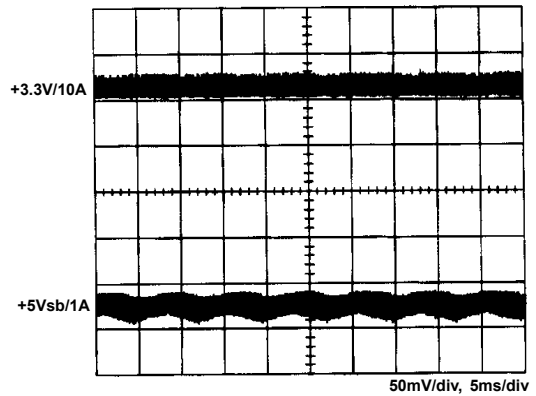
- Each output can provide up to max. load separately when the power supply starts up. To exceed the max. output power continuously is not allowed.
- At factory, all outputs in 60% rated load condition, each output is checked to be within the accuracy range.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±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 0.47μF 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:

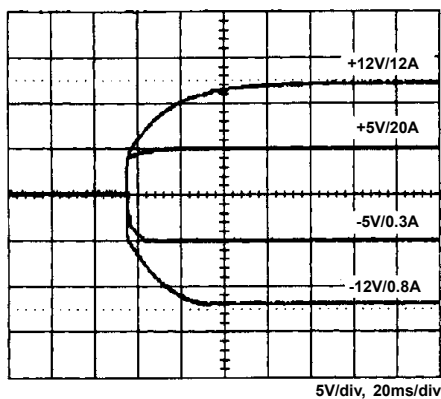
1. Line frequency ripple



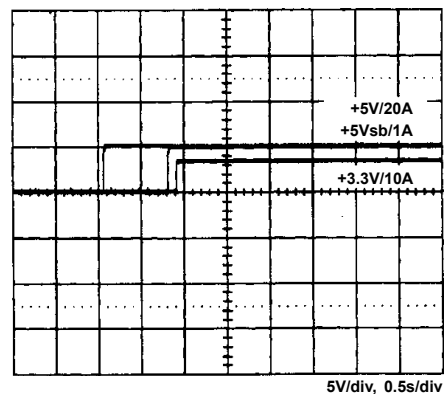
2. Line frequency ripple



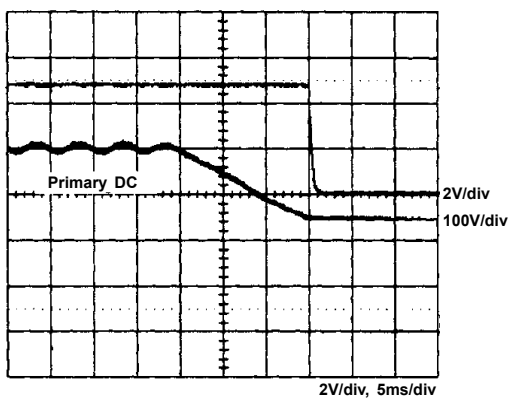
3. Output turn on wave form



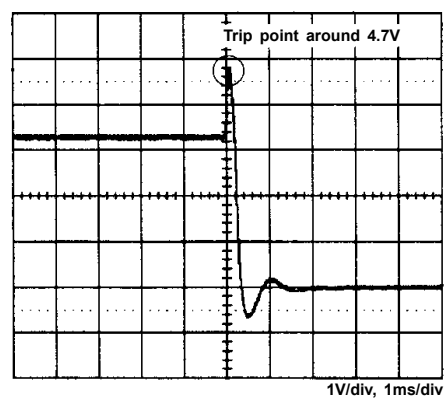
4. Output turn on wave form



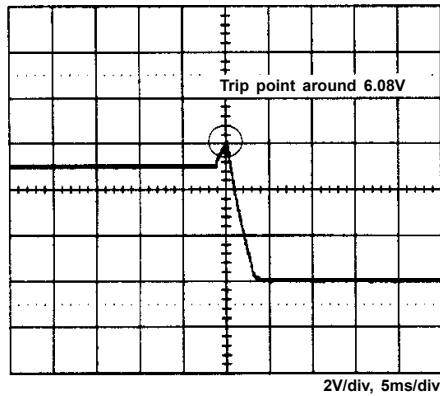
5. Hold up time



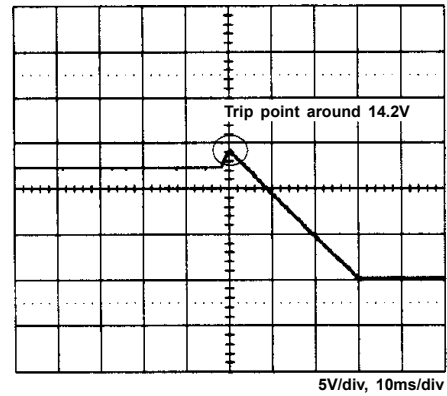
6. +3.3V over voltage protection



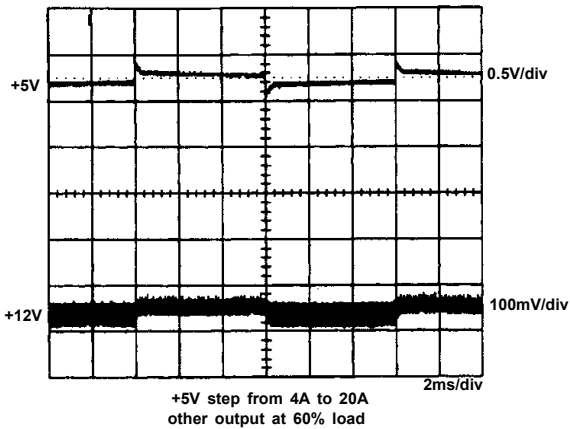
7. +5V over voltage protection



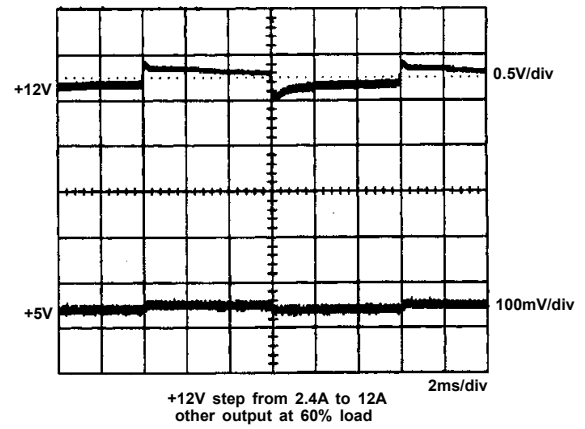
8. +12V over voltage protection



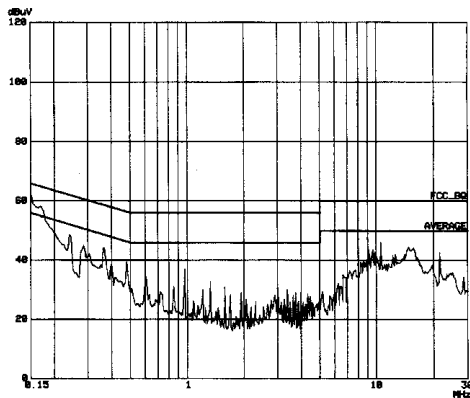
9. +5V step response



10. +12V step response



11. FCC B



12. EN 55022 B

