Switching Adapter

Rated 80W
Peak 120W
SNP-A08 Series

Features:

- IEC320 C14 or C18 Input Socket
- With Medical safety
- CEC level IV compliant
- Compatible to Class I / II safety & EMC
- No load input power < 0.3W

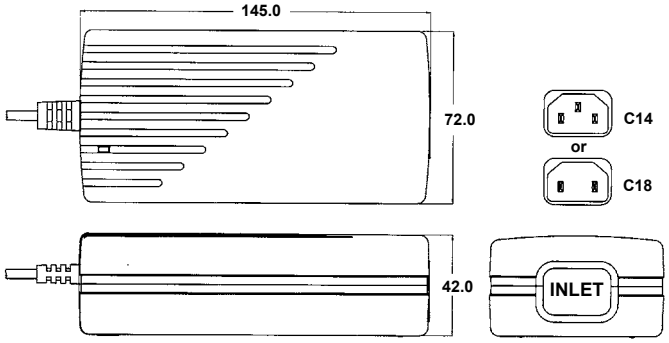
Applications:

- For medical device such as monitors.
- For peak power required system.

General Specifications:

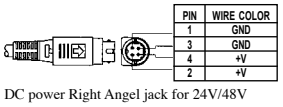
Input voltage ..... 90 VAC to 264 VAC
Input frequency ..... 47 Hz to 63 Hz
Inrush current ..... < 35A at 115VAC
(cold start at 25°C) or < 70A at 230VAC
Efficiency ..... 85%~90% depends on the models
Holdup time..... > 20 ms
at rated load and 115VAC
Average Efficiency ..... > 85% at 25%, 50%, 75%, 100%
of rated load and 115VAC/230VAC input
No-load input power ..... < 0.3W at 230VAC input
Over voltage protection ..... latch off
Short circuit protection..... auto recovery
Over load protection ..... auto recovery
DC OK indicator ..... green LED
Operating temperature ..... 0°C to 40°C
Cooling ..... free air convection
Storage temperature ..... -20°C to +85°C
EMI ..... FCC class "B"
CISPR22 level "B"
Harmonics ..... EN61000-3-2 class A
EMS ..... EN61000-4-2, -3, -4, -5,-6,-8-11
Safety UL60601-1, UL60950-1
CSA C22.2 No. 60950-1(cUL)
TUV EN60601-1, EN60950-1

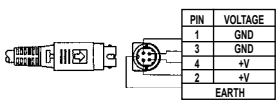
Mechanical Specifications:



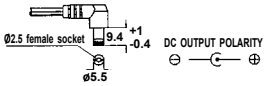
Notes:

1. Dimensions shown in mm (inch) as left. Tolerance: ±1mm (Excluding cables).
2. Size:
   72.0 x 145.0 x 42.0 (mm)
3. Packing:
   Net weight: 470 g approx. / unit
   Gross weight: 12 kg approx. / carton, 20 units / carton
   Carton size (mm): 503 (L) x 362 (W) x 300 (H) (mm)
4. Connectors:
   AC input : IEC 320 Inlet C18 : SNP-A08X
   C14 : SNP-A08X-3
   DC output :
   SNP-A08X SNP-A08X-3
   4 pin Hosiden equivalent plug for 12V/15V/18V





DC power Right Angel jack for 24V/48V



Note: Other type available by customer requested

5. Output cable length: 180 cm approx.
6. DC OK LED: Green light on top of box
7. Grounding:
   DC output GND is connected to safety earth internally for SNP-A08X-3.
8. Box color: Black

-Steven-

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-A087(-3)	+12V	0A	6A		9A	+11.40V~+12.60V	100mVpp	±0.5%	±3%	84%
SNP-A088(-3)	+15V	0A	5A		7.5A	+14.25V~+15.75V	100mVpp	±0.5%	±3%	85%
SNP-A085(-3)	+18V	0A	4.5A		6.7A	+17.10V~+18.90V	100mVpp	±0.5%	±3%	86%
SNP-A089(-3)	+24V	0A	3.3A		5A	+22.80V~+25.20V	100mVpp	±0.5%	±3%	87%
SNP-A08T(-3)	+48V	0A	1.75A		2.5A	+45.60V~+50.40V	200mVpp	±0.5%	±3%	89%

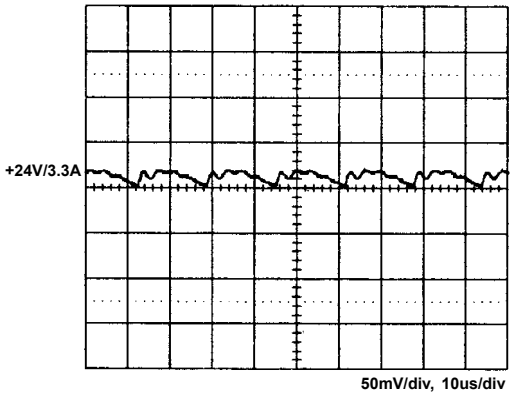
Note:

1. At peak load, the output can last for 10 seconds without shut down.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
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.
5. Ripple & noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF 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.

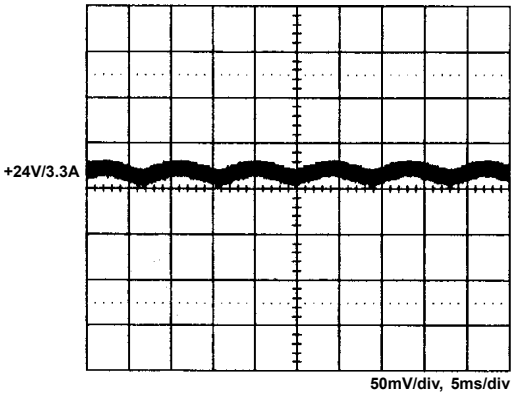
-Steven-

Performance for SNP-A089:

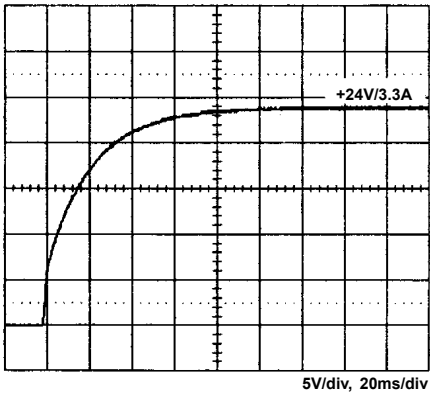
1. Switching frequency ripple



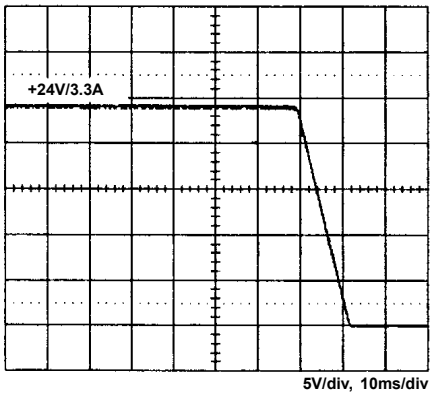
2. Line frequency ripple



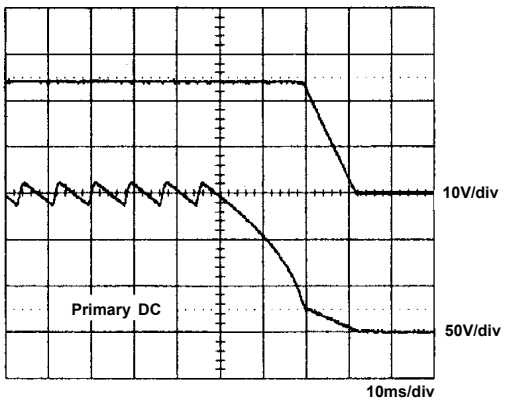
3. Output turn on wave form



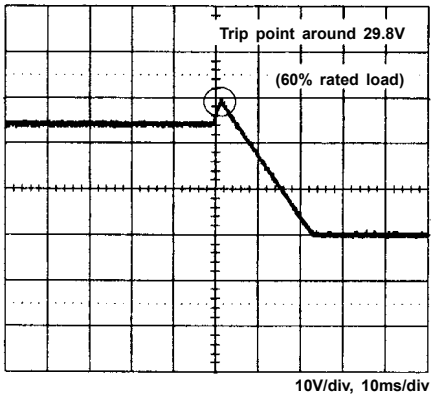
4. Output turn off wave form



5. Hold-up time



6. Over voltage protection



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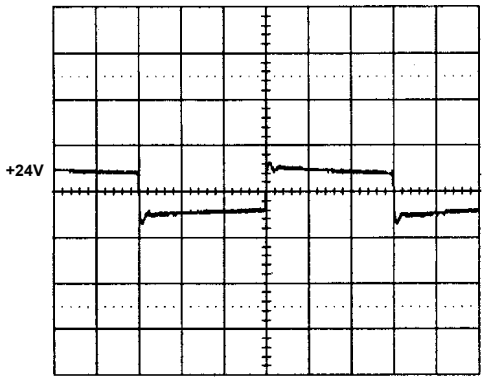
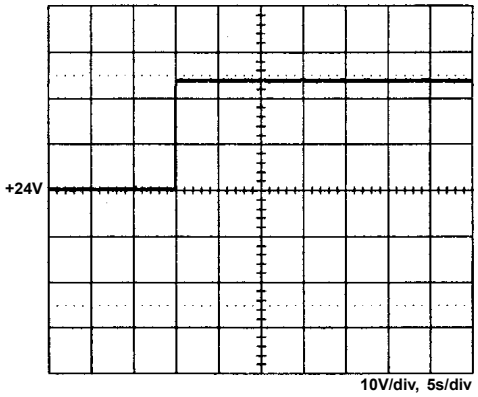
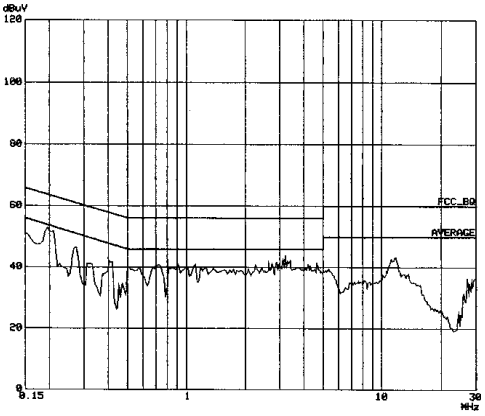
7. +24V step response



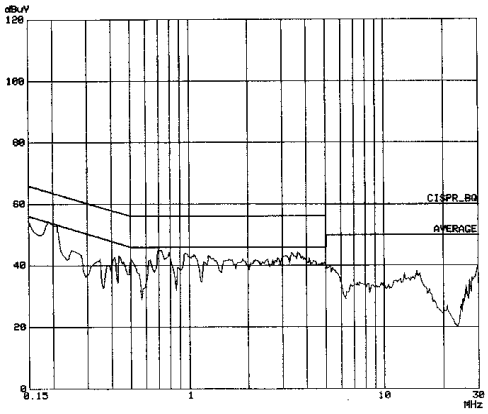
8. Peak Load



9. FCC B



10. CISPR 22



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