Switching Adapter

Rated 200W
SNP-A20 Series

103 x 210 x 52 (mm)

Features:

- External Desktop Adaptor
- With ITE & Medical safety
- Built-in active PFC
- No load input power < 0.5W
- Energy Stat V2.0 level V

Applications:

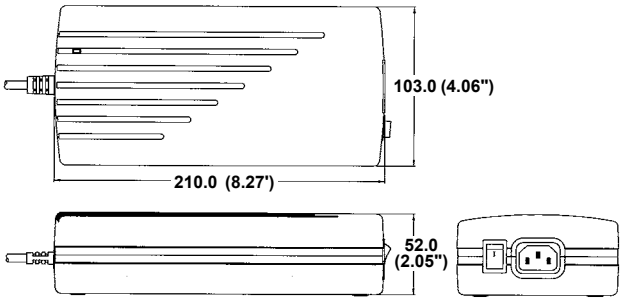
- For patient contact medical device such as Breath Machine.
- For power saving required system such as LCD Monitor.

General Specifications:

Input voltage ..... 90 VAC to 264 VAC
Input frequency ..... 47 Hz to 63 Hz
Inrush current ..... < 40A at 115VAC
(cold start at 25°C) or < 80A at 230VAC
Efficiency ..... 87%~90% depends on the models
Holdup time..... > 16 ms
at rated load and 115VAC
Average efficiency ..... > 87% at 25%, 50%, 75%, 100%
of rated load and 115VAC/230VAC input
No-load input power ..... < 0.5W
at 230VAC input
Energy saving ..... energy star version 2.0 level V

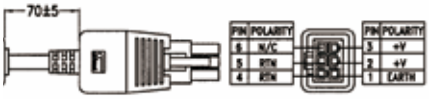
Over voltage protection .....latch off
Short circuit protection.....auto recovery
Over load protection .....auto recovery
DC OK indicator ..... green LED
Operating temperature .....0°C to 40°C
Cooling ..... free air convection
Storage temperature .....-20°C to +85°C
EMI ..... FCC class "B"
CISPR22 level "B"
Harmonics ..... EN61000-3-2 class D
EMS ..... EN61000-4-2, -3, -4, -5,-6,-8-11
Safety ..... UL60950-1 : (cULus)
EN 60950-1 : 2006 +A11 (TUV)
ANSI/AAMI ES60601-1 : 2005 (cULus)
EN 60601-1 : 2006 (TUV)

Mechanical Specifications:



Notes:

1. Size:
   103 x 210 x 52 (mm)
2. Connectors:
   AC input : IEC 320 Inlet
   DC output : Molex 5557-06 or equivalent



3. Output cable length: 90 ~ 150 cm
4. DC OK LED: Green light on top of box
5. Box color: Black
6. Packing:
   Net weight: 1.1 kg approx. / unit
   Gross weight: 14.0 kg approx. / carton, 10 units / carton
   Carton size (mm): 412 (L) x 336 (W) x 387 (H)

-Jim-

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-A207 SNP-A207-M	+12V	0A	15A		33.4A	+11.40V~+12.60V	200mVpp	±0.5%	±3%	87%
SNP-A208 SNP-A208-M	+15V	0A	12A		21.6A	+14.25V~+15.75V	200mVpp	±0.5%	±3%	87%
SNP-A205 SNP-A205-M	+18V	0A	10A		18.3A	+17.1V~+18.9V	200mVpp	±0.5%	3%	88%
SNP-A209 SNP-A209-M	+24V	0A	8.4A		14A	+22.80V~+25.20V	200mVpp	±0.5%	±3%	89%
SNP-A20T SNP-A20T-M	+48V	0A	4.2A		6.9A	+45.60V~+50.40V	200mVpp	±0.5%	±3%	90%

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 + 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.
8. Model Selection:
   SNP-A20x is for ITE application.
   SNP-A20x-M is for medical application.

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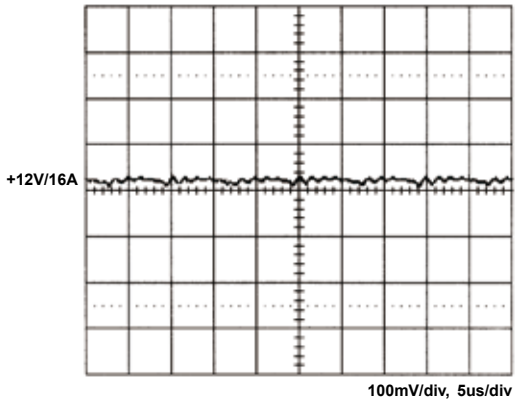
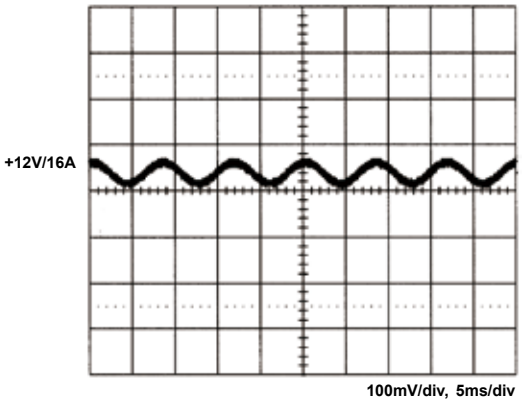
Performance for SNP-A207 (input voltage is 115VAC, unless others specified):

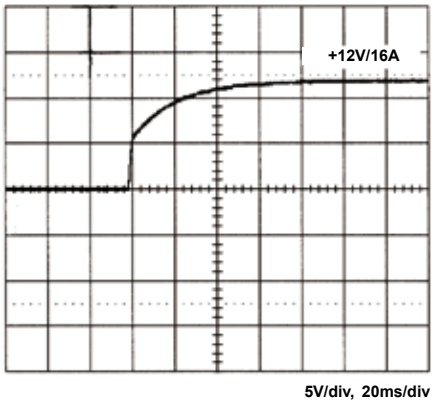
1. Switching frequency ripple



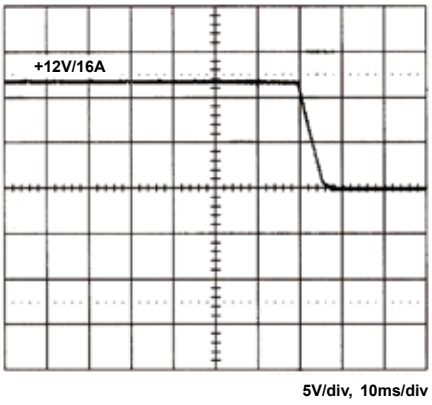
2. Line frequency ripple



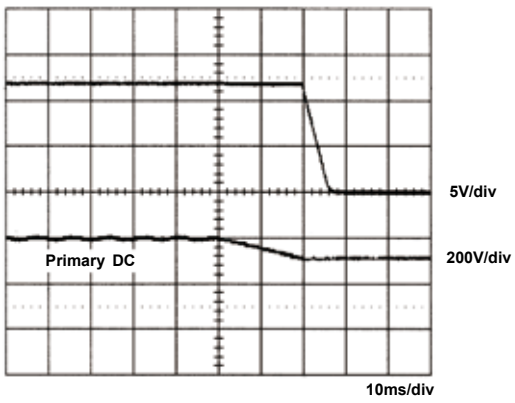
3. Output turn on wave form



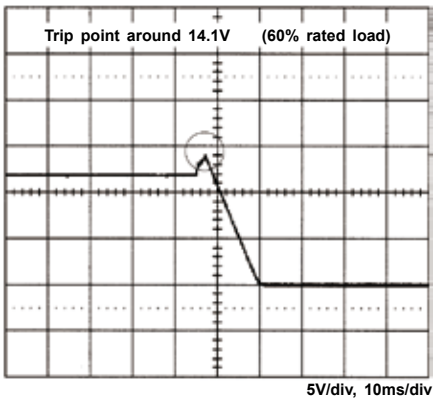
4. Output turn off wave form



5. Hold-up time



6. Over voltage protection



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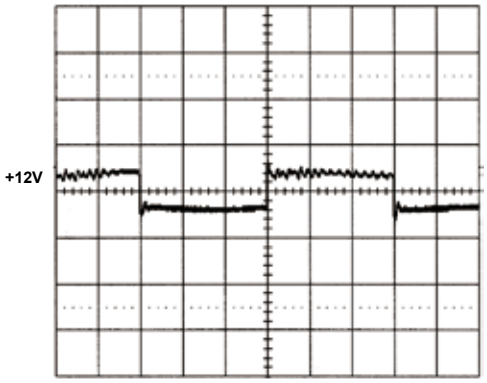
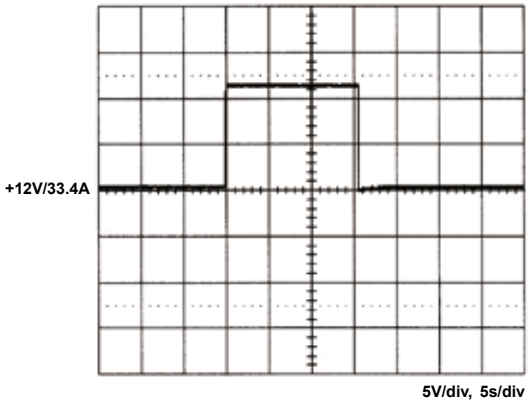
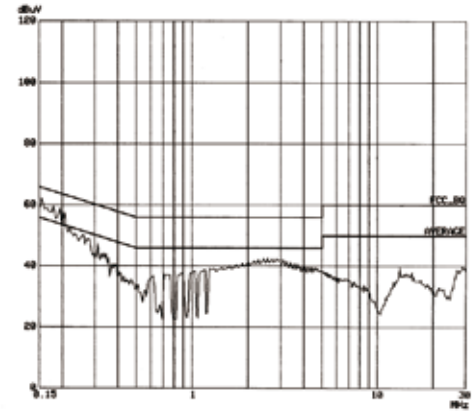
7. +12V step response



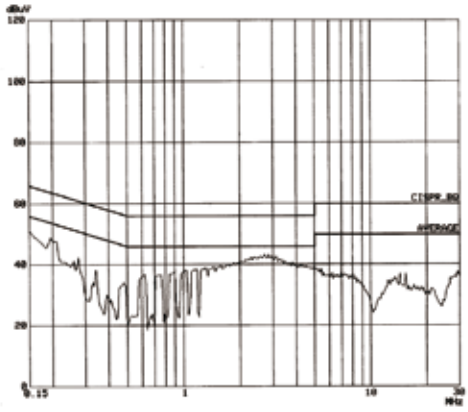
8. Peak load



9. FCC B



10. EN 55011 B



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