

Rated **80W** Peak **SNP-A08 Series**

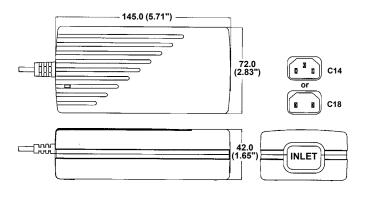


72 x 145 x 42 (mm)

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> 8	
of rated loa	d and 115VAC/230VAC input
No-load input power	< 0.3W at 230VAC input
Over voltage protection	latch off

Mechanical Specifications:



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.

Short circuit protection	auto recovery
Over load protection	auto recovery
DC OK indicator	green LED
Operating temperature	
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

Notes:

Size: 72 x 145 x 42 (mm)

Connectors: AC input: IEC 320 Inlet C18 : SNP-A08X C14 : SNP-A08X-3 DC output : SNP-A08X 4 pin Hosiden equivalent plug for 12V/15V/18V SNP-A08X-3

DC power Right Angel jack for 24V/48V

- Ø5.5 Note: Other type available by customer requested Output cable length: 180 cm approx. DC OK LED: Green light on top of box
- Grounding:
 DC output GND is connected to safety earth internally for SNP-A08X-3.
- Box color: Black

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)

-Jim-

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



Rated 80W Peak 120W SNP-A08 Series

Output Specifications:

MODEL	OUTPUT LOAD				VOLTAGE	RIPPLE	LINE	LOAD	EFFICIENCY	
NO.	RAIL	MIN.	RATED	MAX.	PEAK	ACCURACY	NOISE	REG.	REG.	TYPICAL
SNP-A087 SNP-A087-3	+12V	0A	6A		9A	+11.40V~+12.60V	100mVpp	±0.5%	±3%	84%
SNP-A088 SNP-A088-3	+15V	0A	5A		7.5A	+14.25V~+15.75V	100mVpp	±0.5%	±3%	85%
SNP-A085 SNP-A085-3	+18V	0A	4.5A		6.7A	+17.10V~+18.90V	100mVpp	±0.5%	±3%	86%
SNP-A089 SNP-A089-3	+24V	0A	3.3A		5A	+22.80V~+25.20V	100mVpp	±0.5%	±3%	87%
SNP-A08T 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 $\pm 10\%$ of input voltage from nominal line at rated load.
- 4. Load regulation is defined by changing $\pm 40\%$ 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.
- 8. Model Selection:

 $SNP\mbox{-}A08x$ is for Class II, ITE and Medical applications.

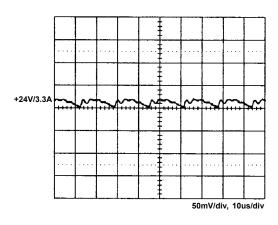
SNP-A08x-3 is for Class I, ITE and Medical applications.

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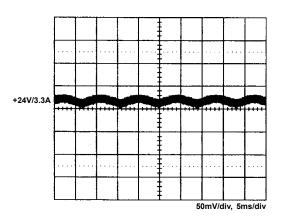
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Performance for SNP-A089:

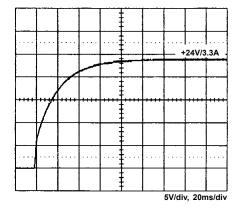
1. Switching frequency ripple



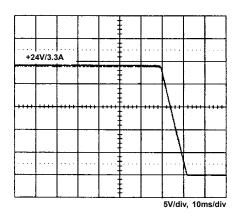
2. Line frequency ripple



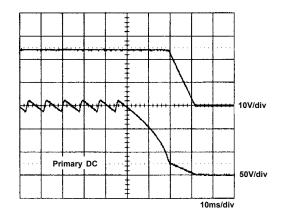
3. Output turn on wave form



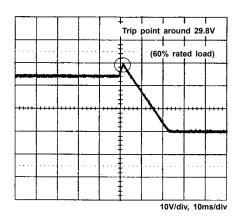
4. Output turn off wave form



5. Hold-up time



6. Over voltage protection

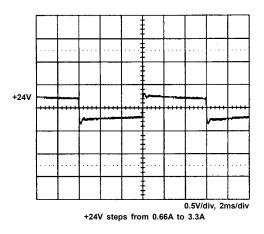


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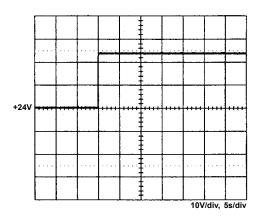


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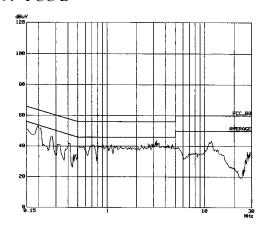
7. +24V step response



8. Peak Load



9. FCC B



10. CISPR 22

