

40W SNP-A04 Series



Description:

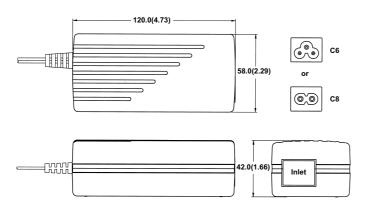
SNP-A04 series is a 30~48 watt, universal input, and single output switching mode desk top adapter, which is built in a compact plastic box. Low input power at no load condition meets green power requirements.

General Specifications:

Input voltage	90 VAC to 264 VAC
Input frequency	47 Hz to 63 Hz
Inrush current	less than 60A at 230VAC
	cold start, 25°C
Meet green mode	< 0.5W (at no load)
Efficiency	75%~85% depends on models
Holdup time	16ms typical
	at rated load and 115VAC
Over voltage protection	latch off
Short circuit protection	auto recovery

Over load protection.	auto recovery
Operating temperature	e20°C to 60°C
	above 40°C, derate at 2.5% per degree
Cooling	free air convection
Storage temperature	-20°C to +85°C
EMI	FCC class "B"
	CISPR22 level "B"
EMS	EN61000-4-2, -3, -4, -5,-6,-11
Safety	UL 60950-1
	CSA C22.2 No. 60950-1(cUL)
	TUV EN60950-1, IEC60950-1:2001

Mechanical Specifications:



Notes:

- Dimensions shown in mm (inch) as left. Tolerance: ±1mm (Excluding cables).
- 2. Size: 58.0 X 120.0 X 42.0 (mm) 2.29 X 4.73 X 1.66 (inch)
- 3. Packing:

Net weight: 300 g approx. / unit

Gross weight: 16.5~kg approx. / carton, 48~units / carton Carton size (mm): 549~(L)~x~490~(W)~x~241~(H)

4. Connectors:

AC input:

IEC 320 C8: SNP-A04X

C6: SNP-A04X-3 (* X: 6/C/7/8/9/T)

DC output: Molex 5557-06 or equivalent

5. Box Color: Black

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Output Specifications:

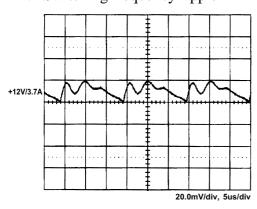
MODEL NO.	OUTPUT RAIL	MIN.	LOAD RATED	PEAK	VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
SNP-A046	+5V	0A	6A	9A	+4.75V~+4.25V	50mVpp	±1%	±5%
SNP-A04C	+9V	0A	4.5A	6.7A	+8.55V~+9.45V	150mVpp	±1%	±5%
SNP-A047	+12V	0A	3.7A	5.6A	+11.40V~+12.60V	100mVpp	±1%	±3%
SNP-A048	+15V	0A	3A	4.5A	+14.25V~+15.75V	100mVpp	±1%	±2%
SNP-A049	+24V	0A	1.9A	2.9A	+22.80V~+25.20V	200mVpp	±1%	±1%
SNP-A04T	+48V	0A	1A	1.5A	+45.60V~+50.40V	400mVpp	±1%	±1%

Note:

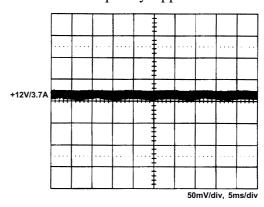
- 1. Output can provide up to peak load when the power supply starts up. Continuous staying in more than rated load is not allowed.
- 2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
- 3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
- 4. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
- 5. Ripple & noise is measured by using 15MHz 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.

Performance for SNP-A047:

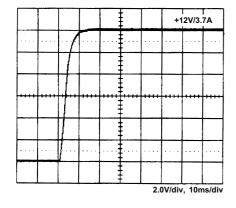
1. Switching frequency ripple



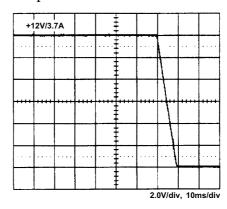
2. Line frequency ripple



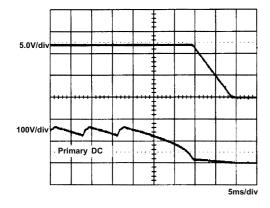
3. Output turn on wave form



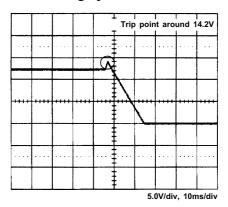
4. Output turn off wave form



5. Hold-up time

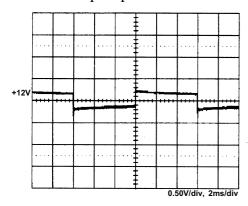


6. Over voltage protection



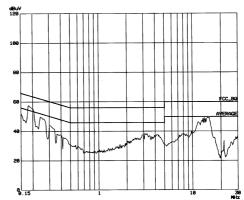
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7. +12V step response

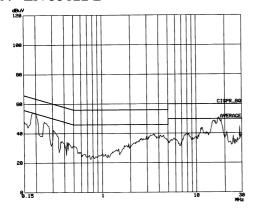


+12V step from 0.74A to 3.7A

8. FCC B



9. EN 55022 B



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