



### Features

- IEC320 C6 or C8 Input Socket
- Class I/II models available
- No Load Input Power <0.5W

### Model Selection



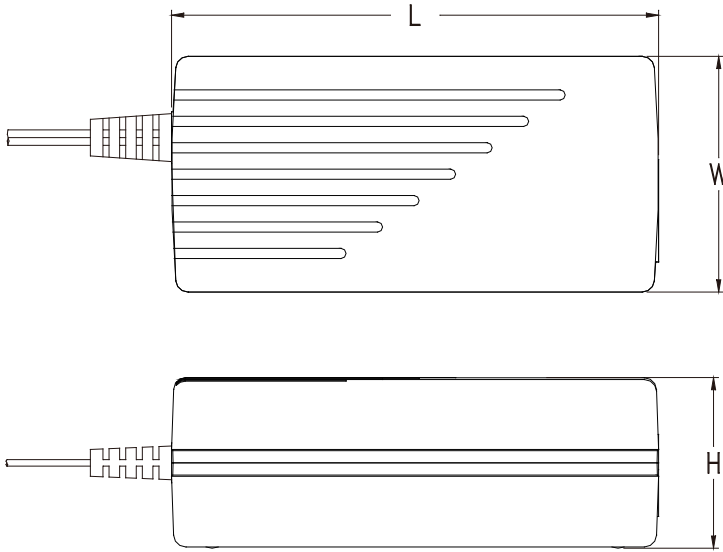
Model No. (Input C8 type)*	Output Rail	Load			Initial Accuracy*	Ripple & Noise*	Load Regulation	Efficiency
		Min	Rated	Peak*				
SNP-A026	+5V	0A	2A	3A	+4.9V~+5.1V	50mV	±4%	70%
SNP-A02C	+9V	0A	1.8A	2.5A	+8.9V~+9.2V	80mV	±3%	77%
SNP-A027	+12V	0A	1.3A	2A	+11.9V~+12.2V	80mV	±1%	78%
SNP-A028	+15V	0A	1A	1.6A	+14.9V~+15.2V	80mV	±1%	80%
SNP-A029	+24V	0A	0.7A	1A	+23.9V~+24.2V	80mV	±1%	80%
SNP-A02T	+48V	0A	0.35A	0.5A	+47.4V~+48.6V	400mV	±1%	80%
SNP-A03C	+9V	0A	3.3A	4.6A	+8.9V~+9.1V	150mV	±5%	75%
SNP-A037	+12V	0A	2.5A	4A	+11.9V~+12.2V	100mV	±2%	80%
SNP-A038	+15V	0A	2A	3A	+14.80V~+15.15V	100mV	±2%	80%
SNP-A039	+24V	0A	1.3A	1.8A	+23.76V~+24.24V	100mV	±1%	80%
SNP-A03T	+48V	0A	0.75A	1A	+47.5V~+48.5V	300mV	±1%	85%
SNP-A046	+5V	0A	6A	9A	+4.92V~+5.08V	50mV	±5%	73%
SNP-A04C	+9V	0A	4.5A	6.7A	+8.9V~+9.1V	150mV	±5%	80%
SNP-A047	+12V	0A	3.7A	5.6A	+11.9V~+12.3V	100mV	±2%	82%
SNP-A048	+15V	0A	3A	4.5A	+14.80V~+15.15V	100mV	±2%	85%
SNP-A049	+24V	0A	1.9A	2.9A	+23.76V~+24.24V	200mV	±1%	86%
SNP-A04T	+48V	0A	1A	1.5A	+47.2V~+48.8V	480mV	±1%	88%

### General Specifications

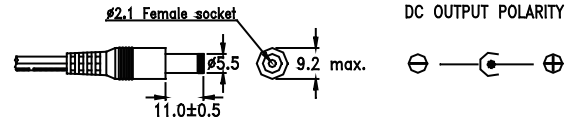
<b>– Input &amp; Output –</b>		<b>– EMC –</b>	
Input voltage range	85VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class A
Nominal line voltage	115VAC/230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		4kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
No load input power	<0.5W		3V/M with 80% AM, criterion A
Line regulation	<±1%	EFT/Burst	EN61000-4-4, 2kV, criterion A
Hold-up time	20ms typ. (SNP-A02x(-3))	Surge	EN61000-4-5
	16ms typ. (Other models)		1kV L-L, 2kV L-G, criterion B
		Conducted immunity	EN61000-4-6
			3V with 80% AM, criterion A
<b>– Protection –</b>		MS	EN61000-4-8, 3A/m, criterion A
Over Voltage*	Latch-off	Voltage dips	EN61000-4-11
Over Load/Short	Auto-recovery		30% dips 10ms, criterion A
			60% dips 100ms, criterion C
			95% dips 5000ms, criterion C
<b>– Environmental –</b>		<b>– Safety –</b>	
Operating temperature	-20°C to +60°C	Approvals	60950-1, CB Report, CE Mark
Cooling	Convection for rated load		
Power derating	Refer to Power Derating Curve		
Storage temperature	-20°C to +85°C		
Relative humidity	5% to 95% RH, non-condensing		
Operating altitude	0 to 2000m		

### Notes

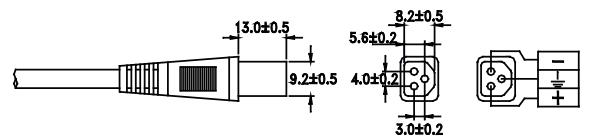
- All specifications without special notices are defined at nominal line, rated load and 25°C.
- To order models with 3 pins IEC320 C6 type input socket, please add suffix "-3", e.g. SNP-A047-3.
- Initial accuracy is set at 60% rated load and 115VAC input.
- Peak load can last 15 seconds with 10% duty cycle and average power < rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF output capacitor.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection mode is defined at 60% rated load.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact [sales@skynetpower.com.tw](mailto:sales@skynetpower.com.tw) for formal specification.



### Output Connector (For C8 Input type)



### Output Connector (For C6 Input type)



### SNP-A02x(-3)

#### Dimensions

- WxLxH : 2.05" x 3.78" x 1.32"  
52 x 96 x 33.5 (mm)

#### Packing

- Net weight : 170g approx./unit
- Carton size (mm) : 535(L) x 489(W) x 314(H)
- Quantity : 90 units / carton
- Gross weight : 17.5kg approx./carton

### SNP-A03x(-3)

#### Dimensions

- WxLxH : 2.13" x 4.33" x 1.32"  
54 x 110 x 33.5 (mm)

#### Packing

- Net weight : 220g approx./unit
- Carton size (mm) : 512(L) x 354(W) x 343(H)
- Quantity : 60 units / carton
- Gross weight : 15.5kg approx./carton

### SNP-A04x(-3)

#### Dimensions

- WxLxH : 2.29" x 4.73" x 1.66"  
58 x 120 x 42 (mm)

#### Packing

- Net weight : 275g approx./unit
- Carton size (mm) : 549(L) x 490(W) x 241(H)
- Quantity : 48 units / carton
- Gross weight : 17kg approx./carton

### Connector type

- AC Input : IEC320 C6 or C8 type
- DC Output : Refer to output connector graphs

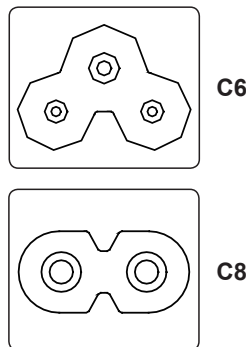
### Cable length

- 5ft~6ft by models

### Notes

- Dimensions in graphs above are shown in mm.
- Tolerance for Box dimensions are  $\pm 1$ mm.
- Box Color is Black.
- This product is RoHS compliant.

### Input Socket



### Power Derating Curve

