



## Features

- 3" x 5" footprint
- Compact Size with only 1.18" Height
- ITE & Medical Dual Safety Approvals
- Cost effective



## Model Selection

Model No.	Output Rail	Load			Initial Accuracy*	Ripple & Noise*	Load Regulation	Efficiency
		Min	Rated	Peak*				
SNP-Y07B	+3.3V	0A	15A		+3.26V~+3.33V	50mV	±1%	75%
SNP-Y076	+5V	0A	14A		+4.95V~+5.05V	1%	±1%	79%
SNP-Y07T	+48V	0A	1.6A		+47.6V~+48.4V	1%	±1%	86%
SNP-Y077	+5V	0A	0.5A	9A	+4.75V~+5.25V	1%	±1%	81%
	+12V	0A	5.6A		+11.88V~+12.12V	1%	±1%	
SNP-Y078	+5V	0A	0.5A	8A	+4.75V~+5.25V	1%	±1%	82%
	+15V	0A	4.8A		+14.85V~+15.15V	1%	±1%	
SNP-Y079	+5V	0A	0.5A	5A	+4.75V~+5.25V	1%	±1%	84%
	+24V	0A	3A		+23.76V~+24.24V	1%	±1%	
SNP-Y073	+5V	0A	3.5A	5A	+4.95V~+5.05V	1%	±3%	78%
	+12V	0A	4A		+11.4V~+12.6V	1%	±3%	
SNP-Y071	+5V	0A	3.5A	5A	+4.95V~+5.05V	1%	±3%	78%
	+12V	0A	3.5A		+11.4V~+12.6V	1%	±3%	
SNP-Y07A	-12V	0A	0.3A		-11.4V~-12.6V	1%	±5%	80%
	+5V	0A	3.5A		+4.95V~+5.05V	1%	±3%	
	+18V	0A	2A		+17.1V~+18.9V	1%	±3%	
SNP-Y07E*	-18V	0A	0.6A		-17.1V~-18.9V	1%	±5%	78%
	+3.3V	0A	6A	10A	+3.26V~+3.33V	50mV	±3%	
	+5V	0A	4A	7A	+4.75V~+5.25V	1%	±3%	
	+12V	0A	2A		+11.4V~+12.6V	1%	±5%	
	-12V	0A	0.6A		-11.4V~-12.6V	1%	±5%	

## General Specifications

– Input & Output –		– EMC –	
Input voltage range	90VAC 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
Line regulation	<±1%		10V/M with 80% AM, criterion A
Hold-up time	>18ms (SNP-Y07A)	EFT/Burst	EN61000-4-4, 4kV, criterion A
	>20ms (other models)	Surge	EN61000-4-5, 2kV L-L, 2kV L-E, criterion A
		Conducted immunity	EN61000-4-6, 10V with 80% AM, criterion A
– Protection –		MS	EN61000-4-8, 30A/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
– Environmental –		– Safety –	
Operating temperature	0°C to +70°C	Approvals	60950-1, 2 <sup>nd</sup> edition (TUV, UL, CSA)
Cooling	Convection cooling		60601-1, 2 <sup>nd</sup> edition (TUV, UL, CSA)
Power derating	Refer to Power Derating Curve		CB Report, CE Mark
Storage temperature	-40°C to +85°C		
Relative humidity	10% to 90% RH, non-condensing		
Operating altitude	0 to 2000m		

### Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- Initial output voltage is set at 60% rated load and 115VAC input.
- For SNP-Y07E, max combination load is 45W/peak for +3.3V and +5V and 71W/peak for all outputs.
- Peak load can last 8 sec with 10% duty cycle and average power < rated load.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection mode is defined at 60% rated load.
- Ripple & Noise is defined with 15MHz BWL oscilloscope and 1X probe with 0.47uF output capacitor for each output. For SNP-Y07B/6, an extra 39uF output capacitor is required.
- +5V of SNP-Y077/8/9 and -12V of SNP-Y07E can be removed for cost saving. Please contact Skynet for more details.
- 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 Pin

PIN NO.	1	2	3	4	5	6	7	8
SNP-Y07B	+3.3V	+3.3V	+3.3V	+3.3V	GND	GND	GND	GND
SNP-Y076	+5V	+5V	+5V	+5V	GND	GND	GND	GND
SNP-Y07T	+48V	+48V	+48V	GND	GND	GND	GND	NC
SNP-Y077	+12V	+12V	+12V	GND	GND	GND	GND	+5V
SNP-Y078	+15V	+15V	+15V	GND	GND	GND	GND	+5V
SNP-Y079	+24V	+24V	+24V	GND	GND	GND	GND	+5V
SNP-Y073	+5V	+5V	GND	GND	GND	GND	+12V	+12V
SNP-Y071	+5V	+5V	GND	GND	+12V	+12V	-12V	NC
SNP-Y07E	+3.3V	+3.3V	GND	GND	+5V	+5V	-12V	+12V
SNP-Y07A	+18V	+5V	+5V	GND	GND	-18V		

## Connector type\*

- TB1 AC input : Molex 5277-02A
- TB2 DC output : Molex 5237-06A (SNP-Y07A)  
Molex 5237-08A (other models)
- TB3 LED : Molex 5045-02A
- TB4 Remote sense : Molex 5045-02A (SNP-Y07B/6)
- TB4 FAN : Molex 5045-02A  
(other models except SNP-Y07T)

## Dimensions

- WxLxH : 3" x 5" x 1.18"  
76.2 x 127 x 30 (mm)

## Packing

- Net weight : 220g approx./unit
- Carton size (mm) : 397(L) x 329(W) x 327(H)
- Quantity : 48 units / carton
- Gross weight : 13.5kg approx./carton

## Notes

- For all connectors equivalent types from other vendors could be used.
- Fan output is +18V for SNP-Y07A, +24V for SNP-Y079, and +12V for other models.
- Max fan output current is 0.1A for SNP-Y078, and 0.2A for other models.
- Dimensions in left graph are shown in mm.
- Tolerance for other dimension is  $\pm 0.4$ mm.
- This product is RoHS compliant.

## Power Derating Curve

