

Features

- 3" x 5" footprint
- High efficiency up to 90%
- ITE & Medical Dual Safety Approvals
- Built-in Active PFC
- Green Power
- Cost effective

Model Selection



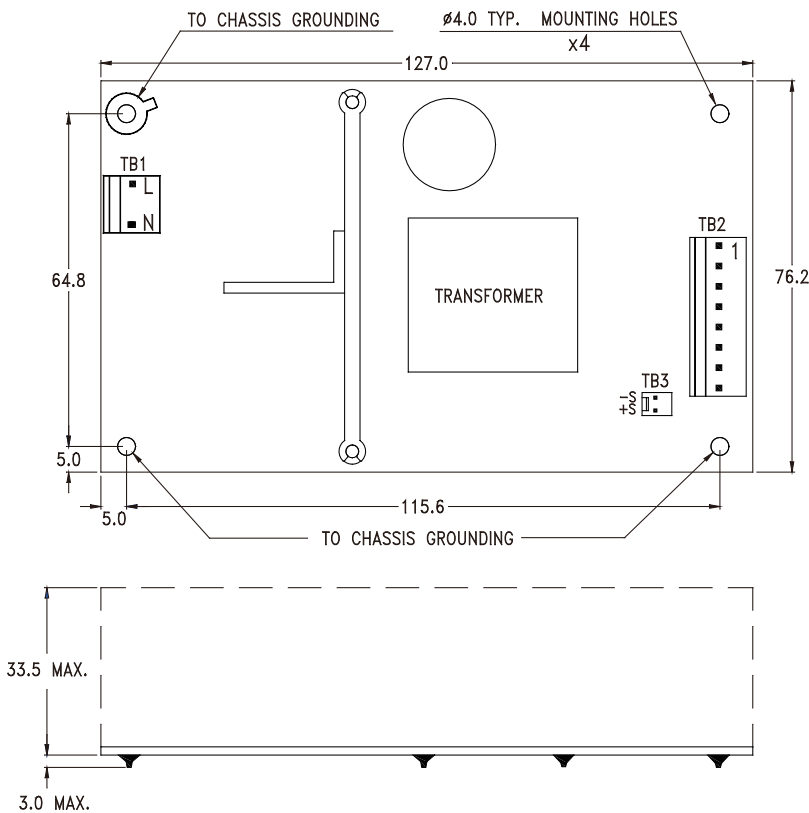
Model No.	Output Rail	Load				Initial Accuracy*	Ripple & Noise*	Rated Load Efficiency
		Min	Rated	Max	Peak*			
SNP-X127	+12V	0A	10.0A	11.0A	13.0A	+11.8V~+12.2V	120mV	86%
SNP-X128	+15V	0A	8.0A	8.8A	9.6A	+14.75V~+15.25V	120mV	87%
SNP-X125	+18V	0A	6.7A	7.4A	8.0A	+17.85V~+18.15V	150mV	87%
SNP-X129	+24V	0A	5.0A	5.5A	6.5A	+23.8V~+24.2V	200mV	87%
SNP-X12T	+48V	0A	2.5A	2.75A	3.0A	+47.5V~+50.4V	200mV	87%
SNP-X12H	+60V	0A	2.0A	2.2A	2.4A	+64.5V~+65.5V	150mV	90%

General Specifications

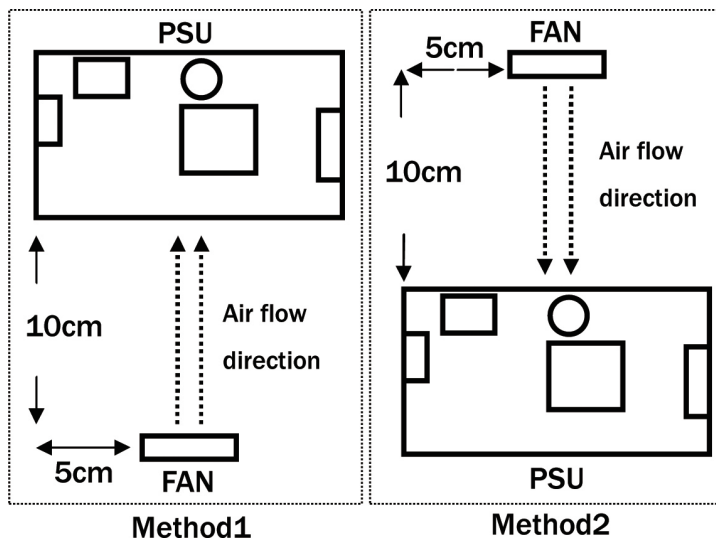
– Input & Output –		– EMC –	
Input voltage range	90VAC to 264VAC	Emission	FCC/CISPR, level B
Label voltage	100VAC to 240VAC	Harmonic currents	EN61000-3-2, class D
Nominal line voltage	115VAC / 230VAC	ESD	EN61000-4-2, criterion A
Input frequency range	47Hz to 63Hz		6kV contact, 8kV air discharge
Inrush current*	<30A at 115VAC, <60A at 230VAC	Radiated immunity	EN61000-4-3
Average efficiency*	>87%		10V/M with 80% AM, criterion A
No load input power	<0.5W	EFT/Burst	EN61000-4-4, 2kV, criterion A
Power factor	>0.9 (115V)	Surge	EN61000-4-5
Line regulation	<±0.5%		2kV L-L, 2kV L-E, criterion A
Load regulation	<±1%	Conducted immunity	EN61000-4-6
Hold-up time	20ms typ.		3V with 80% AM, criterion A
– Protection –		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
– Environmental –			60% dips 100ms, criterion C
			95% dips 500ms, criterion C
Operating temperature	-20°C to +70°C	– Safety –	
Cooling	Convection for rated load 18CFM forced air for max load	Approvals	60950-1, 2 nd edition (TUV, UL, CSA)
Power derating	Refer to Power Derating Curve		60601-1, 3 rd edition (TUV, UL, CSA)
Storage temperature	-40°C to +85°C		CB Report, CE Mark, RM Report/file
Relative humidity	5% to 95% RH, non-condensing		
Operating altitude	0 to 3000m		

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- Initial accuracy is set at 60% rated load and 115VAC input.
- Ripple & Noise is defined with 25MHz BWL oscilloscope and 1X probe with 0.47uF+10uF output capacitor.
- Inrush current is defined at 25°C cold start and EMI capacitors are excluded.
- Over voltage protection model is defined at 60% rated load.
- Peak load can last 10 seconds with 10% duty cycle and average power < rated load.
- Average efficiency is the average efficiency value of 25%, 50%, 75% and 100% rated load at nominal line input.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specification.



Max. Load Fan Location



Output Pin

TB2	1	2	3	4	5	6	7	8
Pin assignment	+V				RTN			

Connector type*

- TB1 AC input : Molex 5277-02A
- TB2 DC output : Molex 5273-08A
- TB3 Renite sense : Molex 5045-02A

Dimensions

- WxLxH : 3" x 5" x 1.32"
76.2 x 127 x 33.5 (mm)

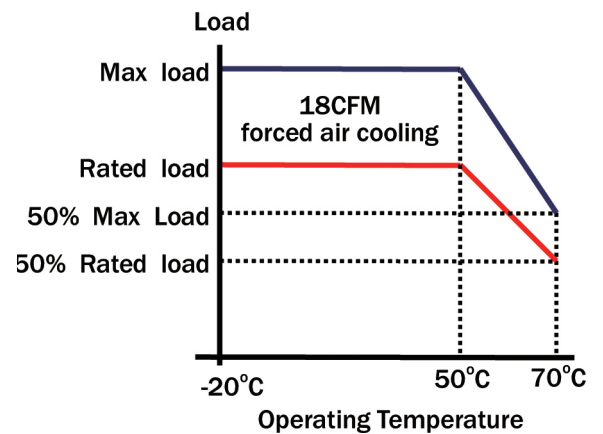
Packing

- Net weight : 290g approx./unit
- Carton size (mm) : 339(L) x 339(W) x 327(H)
- Quantity : 36 units/carton
- Gross weight : 13kg approx./carton

Notes

- For all connectors, equivalent types from other vendors could be used.
- Dimensions in left graph are shown in mm.
- Tolerance for dimension is ± 0.4 mm.
- This product is RoHS compliant.

Power Derating Curve



Medical Isolation Grade

