

Features

- Machinery Box type
- Built-in Active PFC
- ITE Safety Approval
- Power On LED indication
- Cost effective



Model Selection

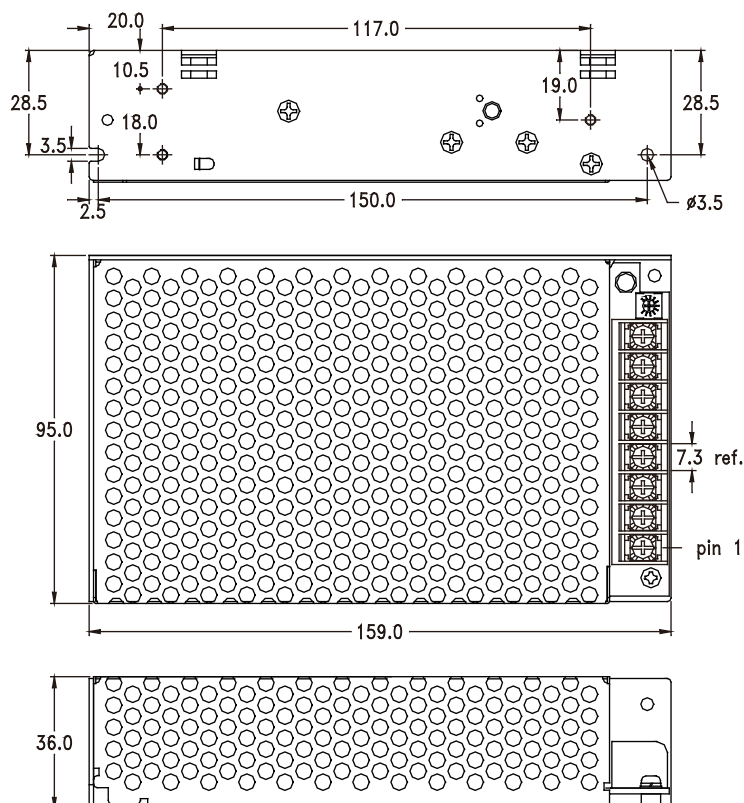
Model No.	Output Rail	Load				Initial Accuracy*	Ripple & Noise*	Load Regulation	Efficiency
		Min	Rated	Max*	Peak*				
SNP-C106	+5V	0A	18A		30A	+4.95V~+5.05V	1%	±1%	84%
SNP-C107	+12V	0A	9A		13.5A	+11.95V~+12.05V	1%	±1%	84%
SNP-C108	+15V	0A	7A		10.5A	+14.95V~+15.05V	1%	±1%	85%
SNP-C109	+24V	0A	4.5A		6.8A	+23.9V~+24.1V	1%	±1%	85%
SNP-C10T	+48V	0A	2.3A		3.4A	+47.8V~+48.2V	1%	±1%	85%
SNP-C103	+5V	0A	8A	10A	12A	+4.95V~+5.05V	1%	±3%	80%
	+12V	0A	4.5A	6A	8A	+11.4V~+12.6V	1%	±3%	
SNP-C10A	+5V	0A	7A	10A	12A	+4.95V~+5.05V	1%	±3%	83%
	+24V	0A	2.5A	3A	4A	+22.8V~+25.2V	1%	±3%	
SNP-C100	+5V	0A	7A	10A	15A	+4.95V~+5.05V	1%	±3%	80%
	+12V	0A	4A	5A	7A	+11.4V~+12.6V	1%	±3%	
	-5V	0A	0.5A	1A		-4.90V~-5.25V	1%	±3%	
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	
SNP-C104	+5V	0A	7A	10A	15A	+4.95V~+5.05V	1%	±3%	80%
	+15V	0A	3A	4A	6A	+14.25V~+15.75V	1%	±3%	
	-5V	0A	0.5A	1A		-4.90V~-5.25V	1%	±3%	
	-15V	0A	0.5A	1A		-14.25V~-15.75V	1%	±3%	
SNP-C10F	+5V	0A	5A	8A	10A	+4.95V~+5.05V	1%	±3%	82%
	+12V	0A	2A	4A	5A	+11.4V~+12.6V	1%	±3%	
	+24V	0A	1.5A	1.5A	3A	+22.8V~+25.2V	1%	±3%	
	-12V	0A	0.5A	1A		-11.4V~-12.6V	1%	±3%	

General Specifications

— Input & Output —		— EMC —	
Input voltage range	85VAC 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		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	16ms typ.	EFT/Burst	EN61000-4-4, 4kV, criterion A
		Surge	EN61000-4-5, 1kV L-L, 2kV L-E, criterion A
		Conducted immunity	EN61000-4-6, 10V 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
			60% dips 100ms, criterion C
			95% dips 5000ms, criterion C
— Environmental —			
Operating temperature	-20°C to +70°C		
Cooling	Convection cooling		
Power derating	Refer to Power Derating Curve	— Safety —	
Storage temperature	-40°C to +75°C	Approvals	UL60950-1, 1 st edition (UL, CUL)
Relative humidity	10% to 90% RH, non-condensing		EN60950-1, 2 nd edition (TUV)
Operating altitude	0 to 2000m		IEC60950-1, 2 nd edition (CB Report)
			CE Mark

Notes

- All specifications without special notices are defined at nominal line, rated load and 25°C.
- For all multiple output models, max combination load is 91W/continuous and 130W/peak for all outputs.
- SNP-C106/C107/C108/C109/C10T have +10% output adjustable range through potentiometer.
- SNP-C103/C104/C10F are safety compliant but without approvals.
- Initial output voltage is set at 60% rated load and 115VAC input.
- Peak load can last 8 sec.
- 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+10uF output capacitor for each output.
- All specifications subject to change without notice.
- This datasheet is only for model selection. Please contact sales@skynetpower.com.tw for formal specification.



Output Pin

PIN NO.	1	2	3	4	5	6	7	8
SNP-C100	L	N	PE	-12V	-5V	+12V	GND	+5V
SNP-C104	L	N	PE	-15V	-5V	+15V	GND	+5V
SNP-C10F	L	N	PE	-12V	+24V	+12V	GND	+5V
SNP-C103	L	N	PE	GND	+12V	GND	+5V	
SNP-C10A	L	N	PE	GND	+24V	GND	+5V	
Other models	L	N	PE	GND	GND	+V	+V	

Connector type

- TB1 input/output : Terminal Blocks
- TB2 remote sense : Molex 5045-02A (Single output models)

Dimensions

- WxLxH : 3.74" x 6.25" x 1.42"
95 x 159 x 36 (mm)

Packing

- Net weight : 610g approx./unit
- Carton size (mm) : 430(L) x 306(W) x 251(H)
- Quantity : 20 units / carton
- Gross weight : 14.6kg approx./carton

Notes

- For all connectors, equivalent types from other vendors could be used.
- Dimensions in left graph are shown in mm.
- Tolerance is $\pm 0.4\text{mm}$ for distance between mounting holes, and $\pm 0.8\text{mm}$ for other dimension.
- This product is RoHS compliant.

Power Derating Curve

