

Features:

- Meet Energy Star Version 2.0
- With built-in active PFC
- Only 1.36 inch height
- 5.8 Watt per cubic inch
- With ITE & Medical safety
- Efficiency between 85% to 90%
- Operation from -20°C to 70°C by convection

Applications:

- For medical device such as monitor.
- For power saving required system such as LCD monitor.

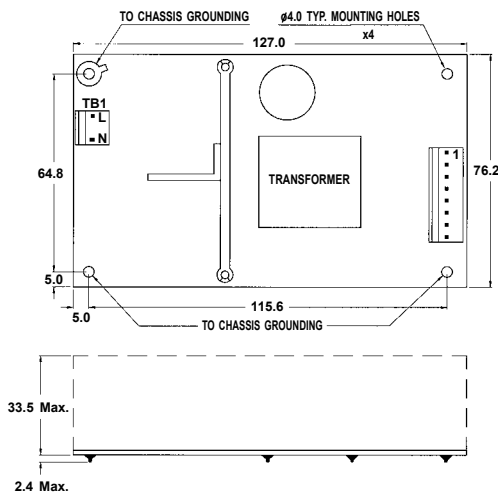
General Specifications:

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 30A at 115VAC
 (cold start at 25°C) or < 60A at 230VAC
 Efficiency 87% typical
 Hold up time 20ms typical
 at rated load and 115VAC
 Average efficiency > 87% at 25%, 50%, 75%, 100%
 of rated load and 115VAC/230VAC input
 No-load input power < 0.5W
 Energy saving energy star Ver. 2.0
 Over load protection auto recovery
 Short circuit protection..... auto recovery

Over voltage protection latch off
 Max. capacitive load 30000uF
 Remote Sense compensates for 0.5V load drop min.
 Operating temperature (open frame type) -20°C to 70°C
 derating: 2.5% / °C > 40°C
 Cooling free air convection for 120W
 with 18CFM forced air flow for 130W
 Storage temperature -20°C to +85°C
 EMI EN55022 "B", FCC "B"
 Harmonics EN61000-3-2
 EMS EN61000-4-2,-3,-4,-5,-6,-11
 Safety UL60950-1 : (cULus)
 EN 60950-1 : 2006 +A11 (TUV)
 ANSI/AAMI ES60601-1 : 2005 (cULus)
 EN 60601-1 : 2006 (TUV)

Mechanical Specifications:

SNP-X127



Notes:

1. Dimensions shown in mm as left.
Tolerance: ±0.4mm.
2. Size:
76.2 x 127 x 33.5 (mm)
3" x 5" x 1.319"
3. Packing:
Net weight: 290 g approx. / unit
Gross weight: 13.0 kg approx. / carton, 36 units / carton
Carton size (mm): 339 (L) x 339 (W) x 327 (H)
4. Connectors:
AC input : Molex 5277-02A or equivalent
DC output : Molex 5273 or equivalent
Remote Sense : Molex 5045-02A or equivalent
5. Output Pin assignment:

PIN NO.	1	2	3	4	5	6	7	8
SNP-X127	+12V	+12V	+12V	+12V	GND	GND	GND	GND
SNP-X128	+15V	+15V	+15V	+15V	GND	GND	GND	GND
SNP-X125	+18V	+18V	+18V	+18V	GND	GND	GND	GND
SNP-X129	+24V	+24V	+24V	+24V	GND	GND	GND	GND
SNP-X12T	+48V	+48V	+48V	+48V	GND	GND	GND	GND
SNP-X12H	+60V	+60V	+60V	+60V	GND	GND	GND	GND

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10 years Warranty (contact Skynet's Distributors for details)

Output Specifications:

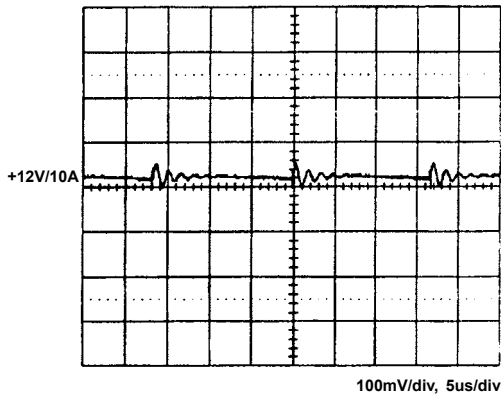
MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.	PEAK				
SNP-X127	+12V	0A	10A	11A	13A	+11.9V~+12.1V	120mVpp	±0.5%	±1%
SNP-X128	+15V	0A	8A	8.8A	9.6A	+14.25V~+15.25V	120mVpp	±0.5%	±1%
SNP-X125	+18V	0A	6.7A	7.4A	8A	+17.1V~+18.9V	100mVpp	±0.5%	±1%
SNP-X129	+24V	0A	5A	5.5A	6.5A	+23.8V~+24.2V	200mVpp	±0.5%	±1%
SNP-X12T	+48V	0A	2.5A	2.75A	3A	+47.5V~+50.4V	200mVpp	±0.5%	±1%
SNP-X12H	+60V	0A	2A	2.2A	2.4A	+57V~+63 V	150mVpp	±0.5%	±1%

Note:

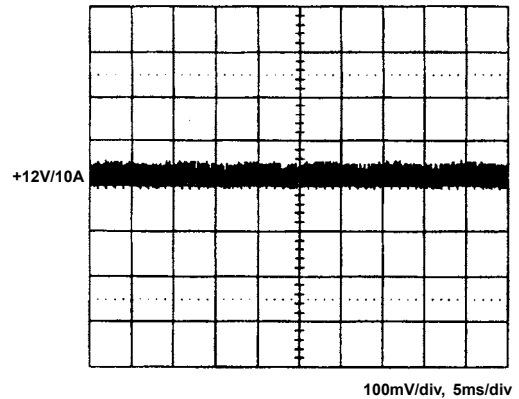
1. The total output current is rated load with free air convection and max. load with 18CFM of forced air flow over the unit.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor and a 47uF electrolytic 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-X127 (input voltage is 115VAC, unless others specified):

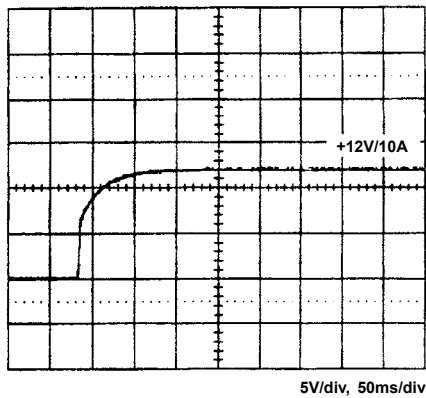
1. Switching frequency ripple



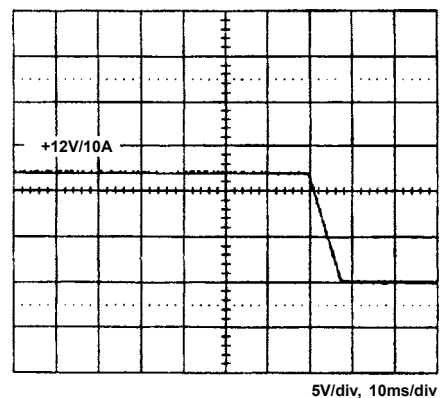
2. Line frequency ripple



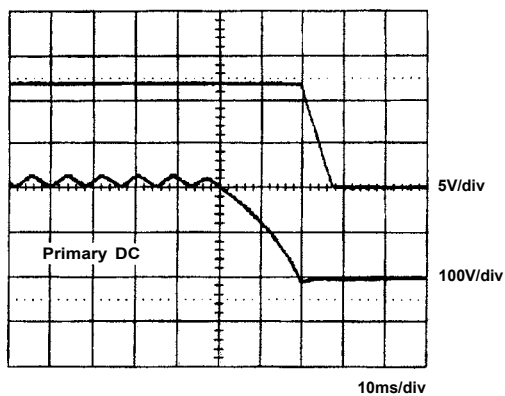
3. Output turn on wave form



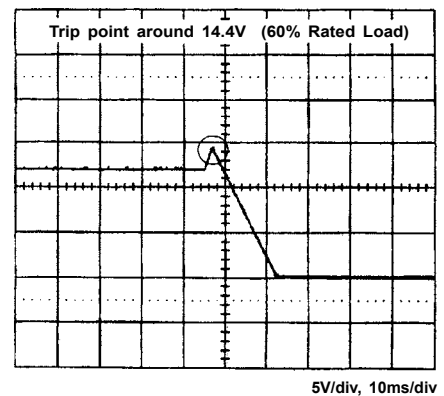
4. Output turn off wave form



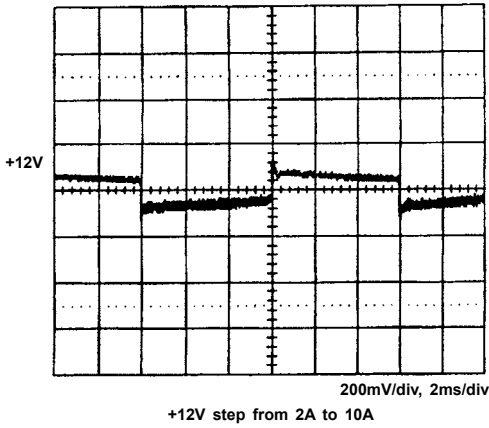
5. Hold up time



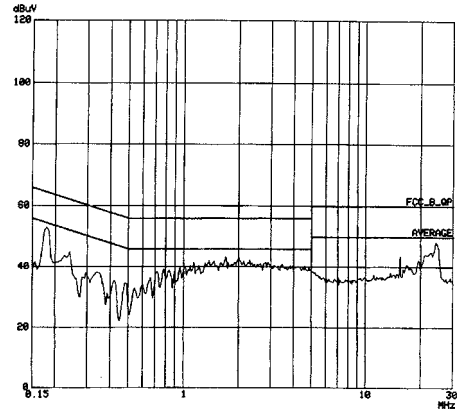
6. Over voltage protection



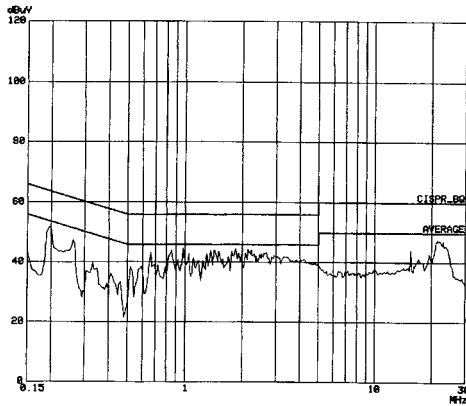
7. +12V step response



8. FCC B



9. EN 55022 B



10. Power derating curve

