



3.3" x 5" x 1.7"

General Specifications:

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 40/80A at 115/230VAC
 Efficiency 90%
 Hold up time 20ms typical
 Over load/Short circuit protection auto recovery
 Over voltage protection latch off
 Operating temperature -30°C to 70°C
 derating: 2.5% / °C > 50°C for convection cooling
 Storage temperature -40°C to +85°C

Features:

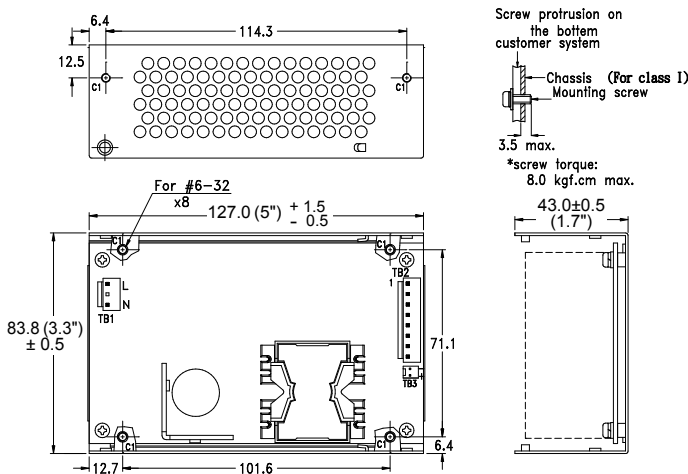
- Peak load (1.6 ~ 2 x rated current, Vo=rated for 5 sec)
- Design for BF application
- Convection cooling for Rated power
- Wide trimmable output voltage
- With Fan output, fan start-up at >30% loading
- EMI class B
- PF > 0.93
- -30°C to +70°C operating temperature
- 5,000m operation altitude

Applications:

- For peak load and surge load applications, such as motor drive, coffee machine, vending machine, gaming machine, and other industrials.
- For EMI class B application, such as home healthcare device, and other medical devices.

Cooling 200W free air convection
 300W 18 CFM forced
 Harmonics.....EN61000-3-2, class D
 EMS..... EN61000-4-2,-3,-4,-5,-6,-8,-11
 Safety UL/CSA/EN60950-1, 2nd edition
 ANSI/AMMI/CSA/EN60601-1, 3.1 edition
 CB report, CE mark, RM report/file

Mechanical Specifications:



Notes:

1. Size: 3.3" x 5" x 1.7"
 2. Mounting Hole: Side edge: 12.5 x 114.3 (mm) Bottom: 71.1 x 101.6 (mm)
 3. Connectors: AC input: Molex 5277-02A or equivalent DC output: Molex 5273-08A or Terminal blocks or equivalent Fan: Molex 5045-02A or equivalent
 4. Output Pin assignment:
- | | | | | | | | |
|----|----|----|----|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Vo | Vo | Vo | Vo | GND | GND | GND | GND |
5. Packing: Net weight: 532 g approx. / unit Gross weight: 15.2 kg approx. / carton, 24 units / carton Carton size (mm): 384 (L) x 339 (W) x 327 (H)

-Jim-

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

Output Specifications:

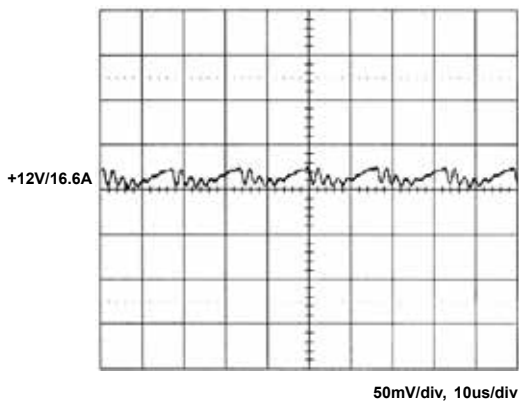
MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	STEP EFFICIENCY			AVERAGE EFFICIENCY
		MIN.	RATED	MAX.	PEAK		@ 20% LOAD	@ 50% LOAD	@ 100% LOAD	
SNP-V207-U	+12V	0A	16.6A	25A	30A	+11.9V~+12.1V	83%	89%	90%	87.3%
SNP-V209-U	+24V	0A	8.3A	12.5A	15A	+23.9V~+24.1V	83%	89%	90%	87.3%

Note:

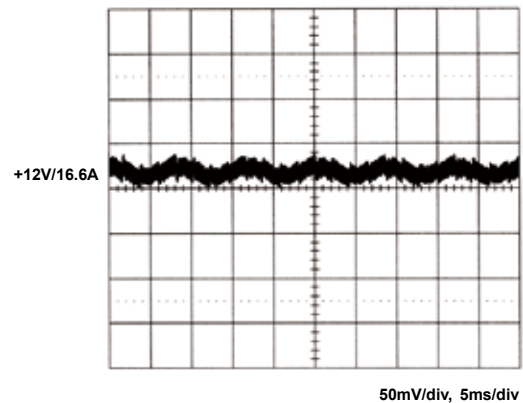
- Output Load:**
200W for convection cooling; 300W for forced air cooling.
- Peak Load Duration:**
Peak 360W can last for 5 sec.
- Isolation Grade:**
Primary ↔ Ground : 1MOPP (1500Vac)
Primary ↔ Secondary : 2MOPP (4000Vac)
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**
Earth leakage current < 300uA
Touch current < 100uA

Performance for SNP-V207-U:

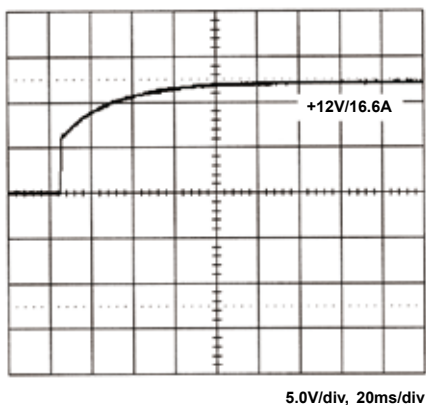
1. Switching frequency ripple



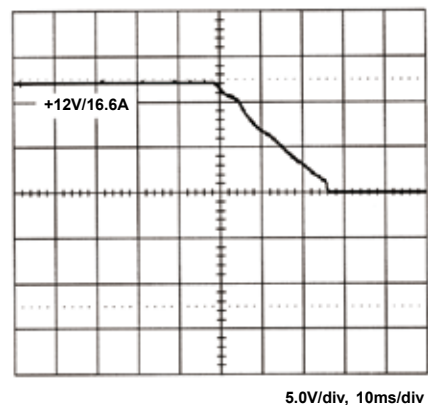
2. Line frequency ripple



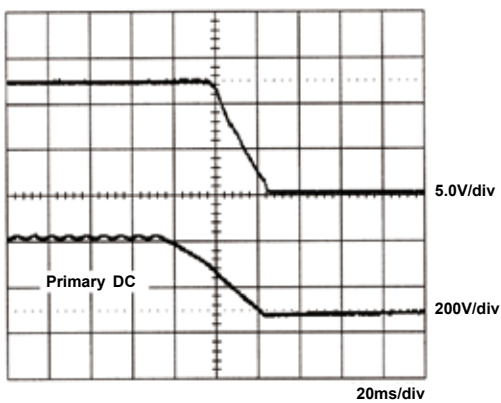
3. Output turn on wave form



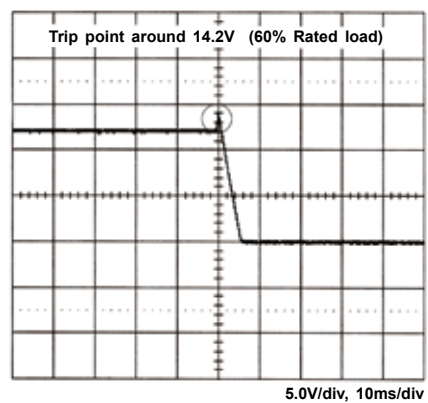
4. Output turn off wave form



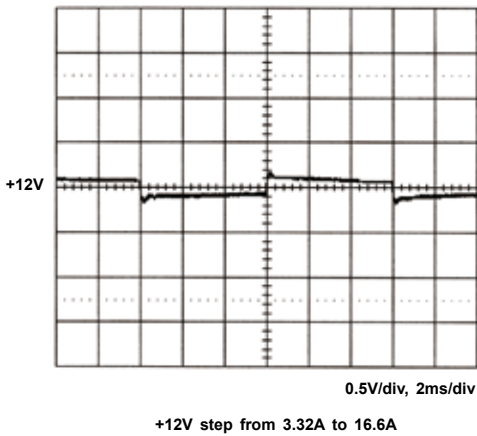
5. Hold-up time



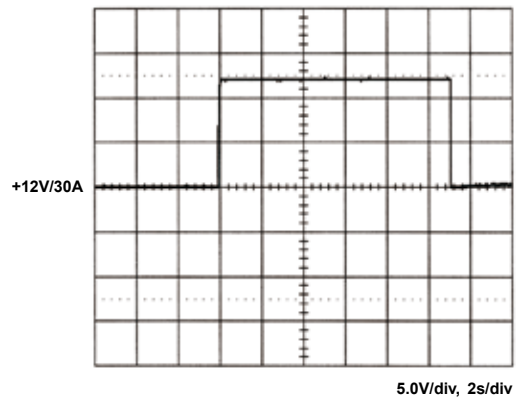
6. Over voltage protection



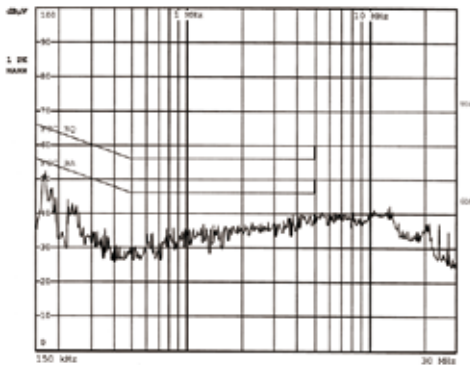
7. +12V step response



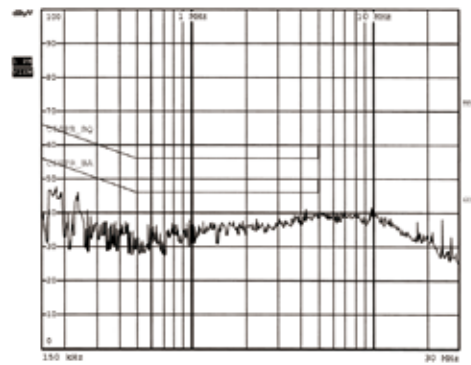
8. Peak load



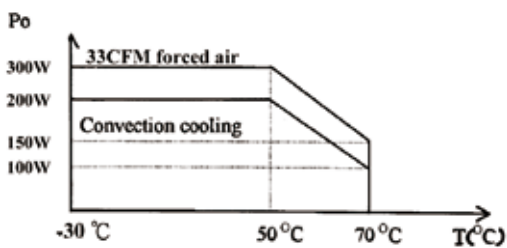
9. FCC B



10. EN55011 22 B



11. Power derating curve



12. Capability for driving motor

