



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:

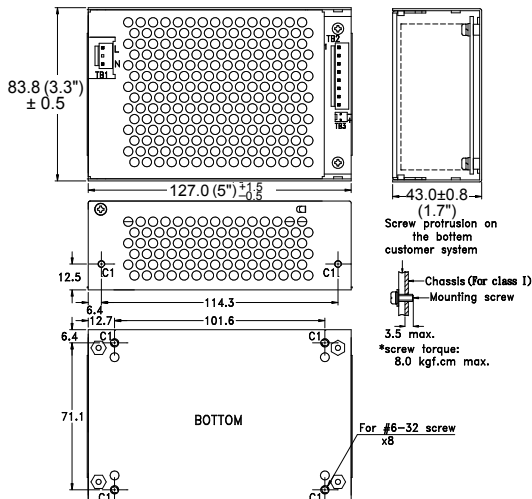
- Peak load (1.6 ~ 2 x rated current, Vo=rated for 5 sec)
- Design for BF application
- Convection cooling for Rated power
- Wide trimmable output voltage
- With Fan output, fan start-up at >30% loading
- EMI class B
- PF > 0.93
- -30°C to +70°C operating temperature
- 5,000m operation altitude

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, 2 nd edition	
	ANSI/AMMI/CSA/EN60601-1, 3.1 edition	
	CB report, CE mark, RM report/file	

Mechanical Specifications:



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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: 600 g approx. / unit
Gross weight: 16.9 kg approx. / carton, 24 units / carton
Carton size (mm): 384 (L) x 339 (W) x 327 (H)

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

Output Specifications:

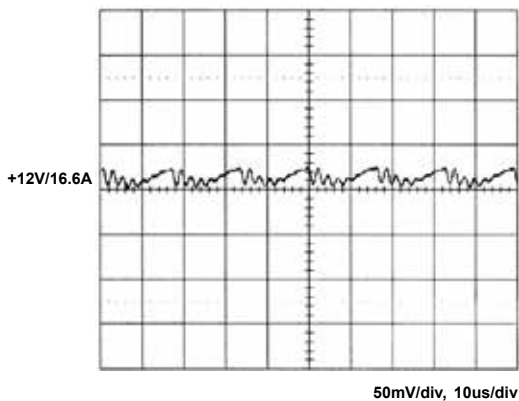
MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	STEP EFFICIENCY			AVERAGE EFFICIENCY
		MIN.	RATED	MAX.	PEAK		@ 20% LOAD	@ 50% LOAD	@ 100% LOAD	
SNP-V207-C	+12V	0A	16.6A	25A	30A	+11.9V~+12.1V	83%	89%	90%	87.3%
SNP-V209-C	+24V	0A	8.3A	12.5A	15A	+23.9V~+24.1V	83%	89%	90%	87.3%

Note:

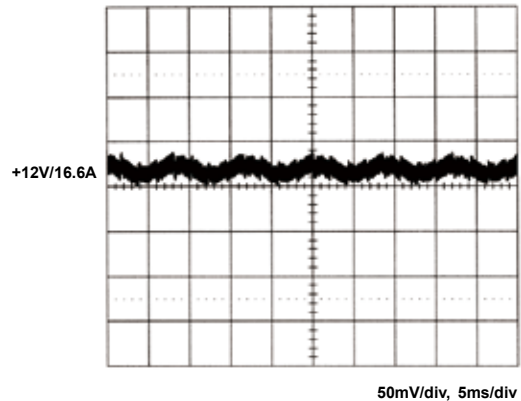
- Output Load:**
200W for convection cooling; 300W for forced air cooling.
- Peak Load Duration:**
Peak 360W can last for 5 sec.
- Isolation Grade:**
Primary ↔ Ground : 1MOPP (1500Vac)
Primary ↔ Secondary : 2MOPP (4000Vac)
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**
Earth leakage current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

Performance for SNP-V207-C:

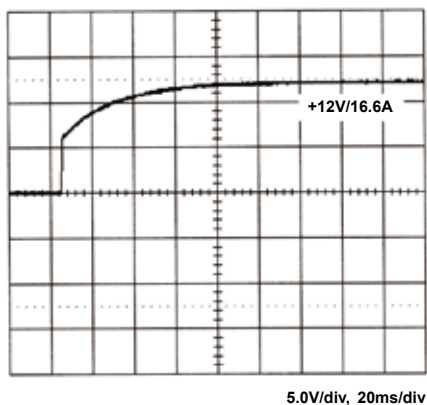
1. Switching frequency ripple



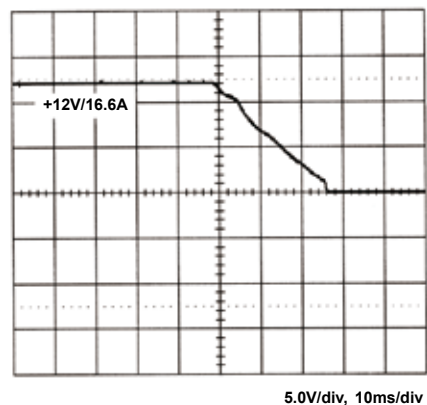
2. Line frequency ripple



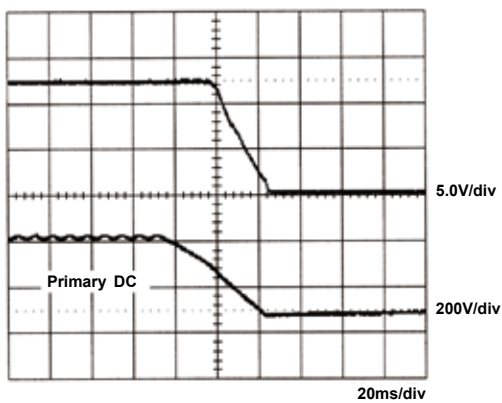
3. Output turn on wave form



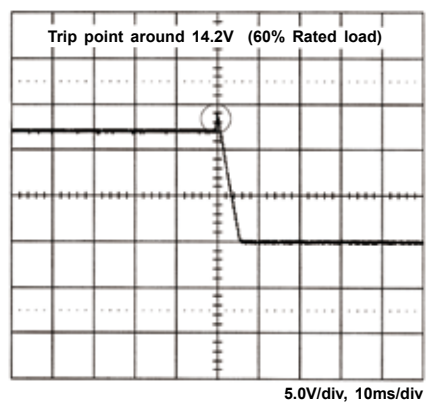
4. Output turn off wave form



5. Hold-up time

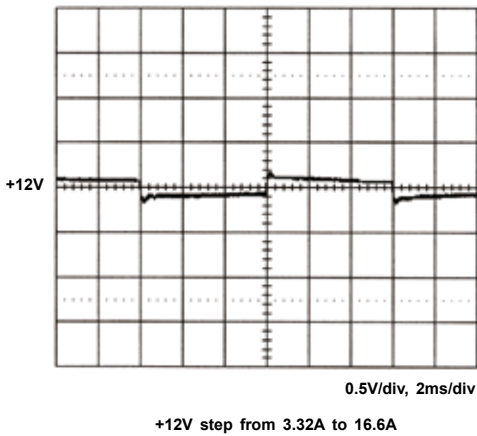


6. Over voltage protection

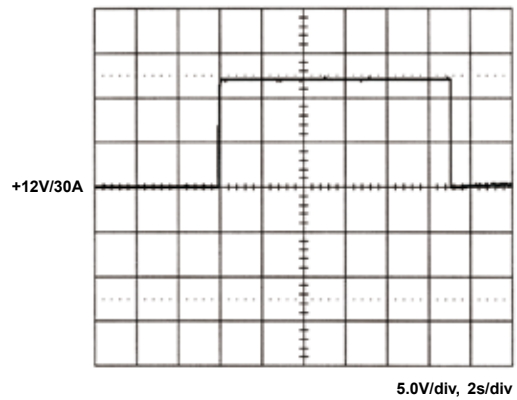


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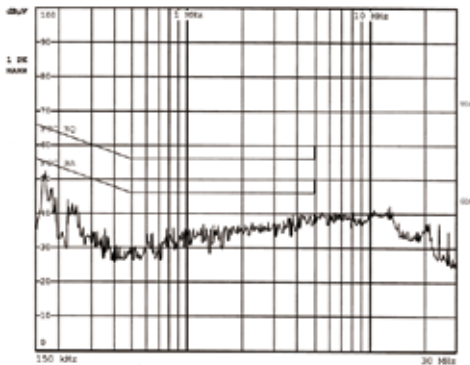
7. +12V step response



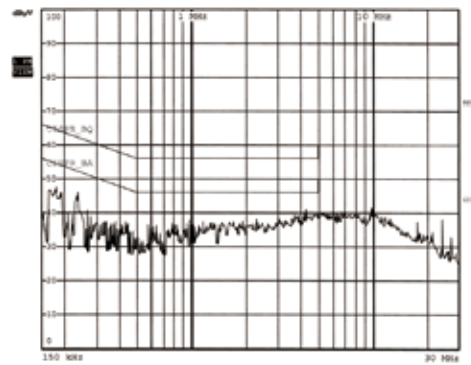
8. Peak load



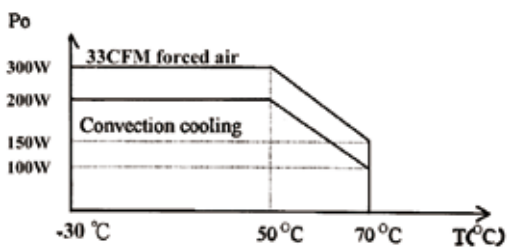
9. FCC B



10. EN55011 22 B



11. Power derating curve



12. Capability for driving motor

