



3.3" x 5" x 2.13"

General Specifications:

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current < 30/60A at 115/230VAC
 Hold up time 20ms typical
 Over load/Short circuit protection auto recovery
 Over voltage protection latch off
 Operating temperature -20°C to 70°C
 derating: 2.5% / °C > 50°C for convection cooling
 Storage temperature -40°C to +85°C

Features:

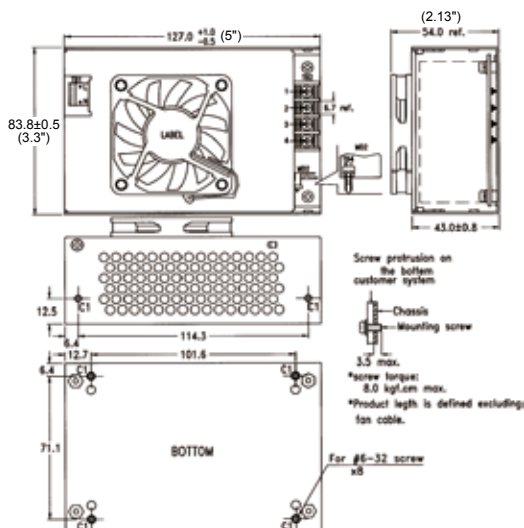
- Design for BF application
- With built-in active PFC
- With ITE & Medical safety
- High torque good for motor start up
- Built-in Fan
- Operation from -20°C to 70°C by convection

Applications:

- For dental, laboratory products, pumps, monitors, sleep apnea devices and many other uses.

EMI EN55022 "B", EN61000-3-3
 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, 3rd edition
 CB report, CE mark, RM report/file
 Energy Saving ENERGY STAR
 for computers version 6.0
 for displays version 6.0
 ErP regulation EC(No) 1275/2008

Mechanical Specifications:



Notes:

- Size: 3.3" x 5" x 2.13"
 Mounting Hole: Side edge : 12.5 x 114.3 (mm)
 Bottom : 71.1 x 101.6 (mm)
- Connectors: AC input: Molex 5277-02A or equivalent
 DC output: Terminal blocks (default for SNP-E307) or Molex 5273-08A (default for others) or equivalent
 Fan, Remote sense: Molex 5045-02A or equivalent
- Output Pin assignment:

Pin No.	1	2	3	4	5	6	7	8
SNP-E307	+Vo	+Vo	GND	GND				
OTHER MODELS	+Vo	+Vo	+Vo	+Vo	GND	GND	GND	GND

 Function Pin assignment:

Function Pin	TB3	TB4
1	GND	Sense -
2	+12V	Sense +
- Packing:
 Net weight: 580 g approx. / unit
 Gross weight: 16 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:

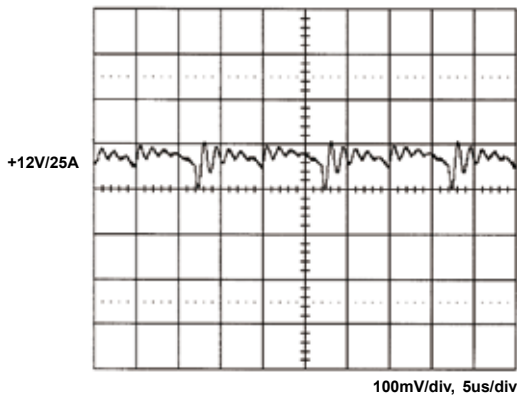
MODEL NO.	OUTPUT RAIL	LOAD				INITIAL ACCURACY	STEP EFFICIENCY			AVERAGE EFFICIENCY
		MIN.	RATED	MAX.	PEAK		@ 20% LOAD	@ 50% LOAD	@ 100% LOAD	
SNP-E307 SNP-E307 -M	+12V	0A	25A			+11.9V~+12.1V	84.5%	89%	86.5%	86.6%
SNP-E308 SNP-E308 -M	+15V	0A	18A			+14.9V~+15.1V	84.5%	89%	86.5%	86.6%
SNP-E305 SNP-E305 -M	+18V	0A	16.6A			+17.9V~+18.1V	84.5%	89%	86.5%	86.6%
SNP-E309 SNP-E309 -M	+24V	0A	12.5A			+23.9V~+24.1V	84.5%	89%	86.5%	86.6%
SNP-E30G SNP-E30G-M	+28V	0A	10.7A			+27.9V~+28.1V	84.5%	89%	86.5%	86.6%
SNP-E30J SNP-E30J -M	+36V	0A	8.3A			+35.8V~+36.2V	84.5%	89%	86.5%	86.6%
SNP-E30T SNP-E30T -M	+48V	0A	6.3A			+47.8V~+48.2V	84.5%	89%	86.5%	86.6%

Note:

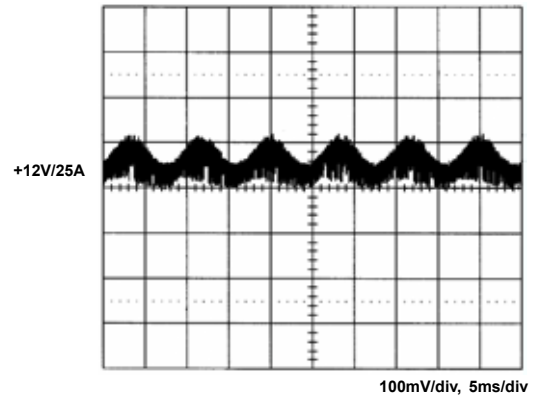
- Output Load:**
Rated 300W and built-in forced air cooling.
- Isolation Grade:**
Primary ↔ Ground : 1MOPP (1500Vac)
Primary ↔ Secondary : 2MOPP (4000Vac)
Secondary ↔ Ground : 1MOPP (1500Vac)
- Leakage Current:**
Earth leakage current < 300uA
Touch current < 100uA
- Model Selection:**
SNP-E30x is for ITE application which requires standby mode.
SNP-E30x-M is for medical application which requires standby mode.

Performance for SNP-E307:

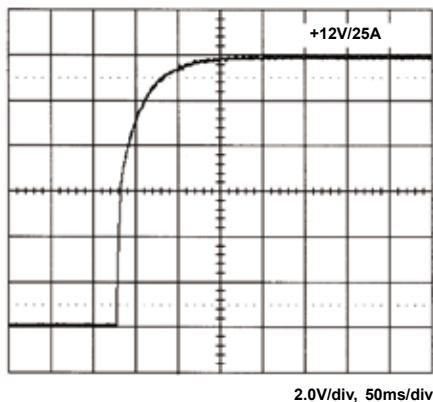
1. Switching frequency ripple



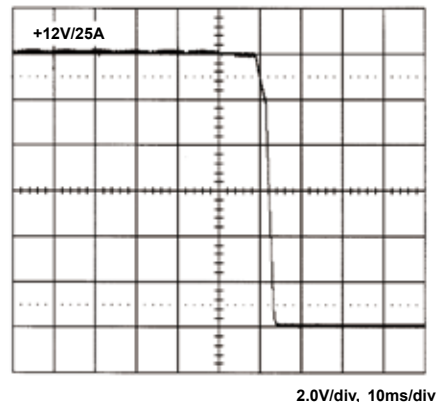
2. Line frequency ripple



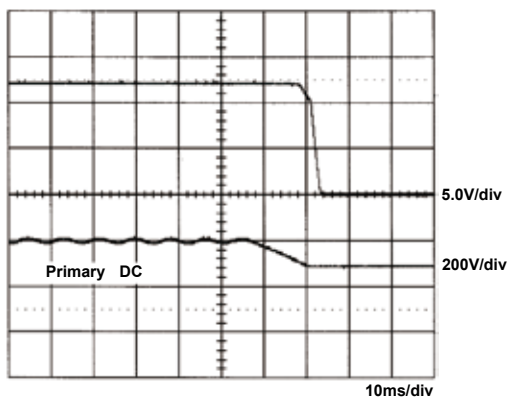
3. Output turn on wave form



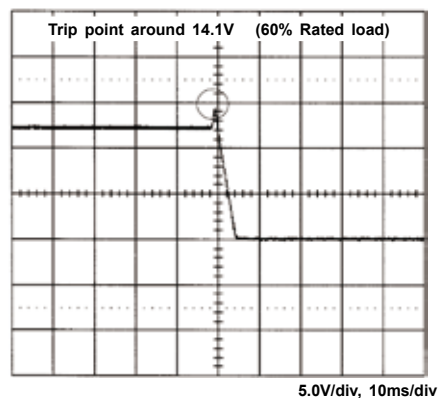
4. Output turn off wave form



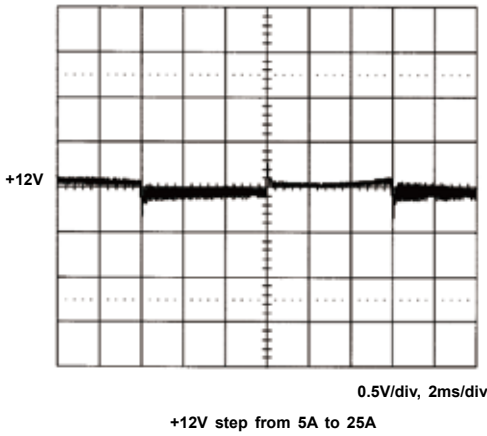
5. Hold-up time



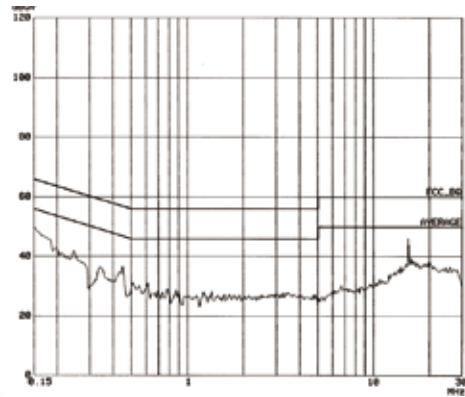
6. Over voltage protection



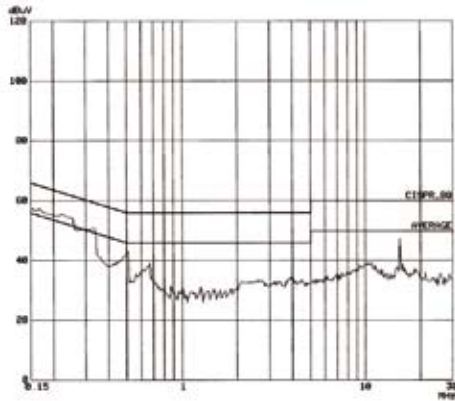
7. +12V step response



8. FCC B



9. CISPR 22 B



10. Capability for driving motor

