THE RELIABLE SOURCE

Medical & ITE
Switching Adapter

Rated 60W
Peak 90W
SNP-AF6 Series

65 x 135 x 40 (mm)

Features:

- Peak load (1.3 ~ 1.5 x rated current, Vo=rated for 5 sec)
- Design for BF application
- DoE Level VI Eco-design
- With ITE and Medical safety
- Safety class I / II and EMI class B
- -20°C to +60°C operating temperature
- 5,000m operation altitude

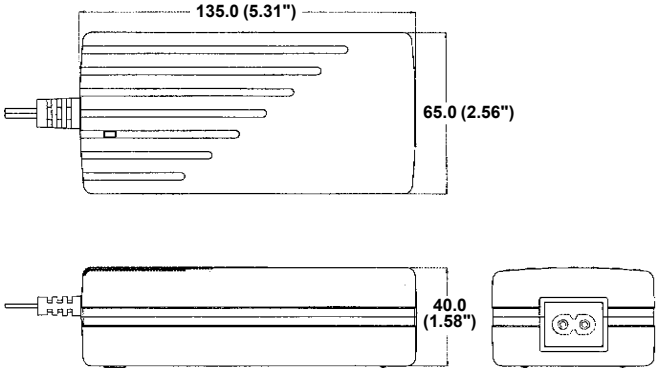
Applications:

- For DoE EPS level VI energy saving application, such as electronics and office equipment.
- For EMI class B application, such as home healthcare device, monitors and other medical devices.
- For peak load application, such as motor drive, coffee machine, vending machine, gaming machine, monitors and other industrials.

General Specifications:

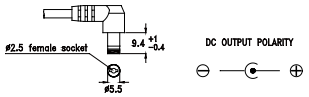
Input voltage ..... 90 VAC to 264 VAC
Input frequency ..... 47 Hz to 63 Hz
Inrush current ..... < 80A at 230VAC
Average efficiency ..... > 89% at 25%, 50%, 75%, 100% of rated load and 115Vac/230Vac input
No-load input power ..... < 0.15W
Hold up time ..... 16ms typical
Over load/Short citcuit protection ..... auto recovery
Over voltage protection ..... latch of
Operating temperature ..... -20°C to 60°C derating: 2.5% / °C > 40°C
Storage temperature ..... -20°C to +85°C
EMI ..... FCC class "B" CISPR 22 level "B"
Harmonics ..... EN61000-3-2, class A
EMS EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety ..... UL60601-1, UL60950-1 CSA C22.2 No. 60950-1(cUL) TUV EN60601-1, EN60950-1
Energy Saving ..... EC Code of Conduct for EPS Version (Tier 2)

Mechanical Specifications:



Notes:

1. Size:
   65 x 135 x 40 (mm)
2. Output Connectors:



3. Input Socket:

4. Cable length is 1.5m approx.
5. Power ON indication LED is on top of Box.
6. Box Color is Black.
7. This product is RoHS compliant.
8. Packing:
   Net weight: N.A. g approx. / unit
   Gross weight: N.A. kg approx. / carton, 40 units / carton
   Carton size (mm): 501 (L) x 426 (W) x 307 (H) (mm)

-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		@ 25% LOAD	@ 50% LOAD	@75% LOAD	@ 100% LOAD	
SNP-AF67	+12V	0A	5A		7.5A	+11.9V~+12.1V	89%	89%	89%	89%	> 89%
SNP-AF69	+24V	0A	2.5A		3.75A	+23.8V~+24.2V	89%	89%	89%	89%	> 89%

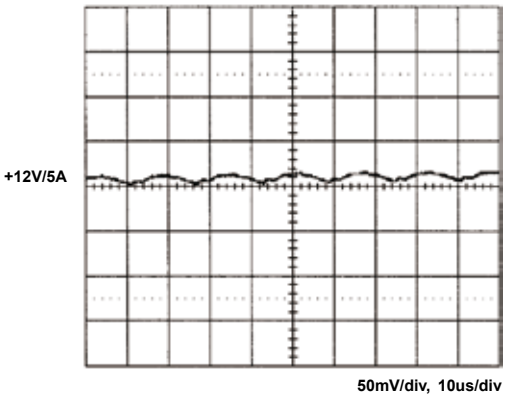
Note:

1. Output Load:
   Rated 60W for convection cooling.
2. Peak Load Duration:
   Peak 90W can last for 5 sec. especially suitable for motor starting.
3. At peak load, the output can last for 5 seconds without shut down.
4. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
5. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
6. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
7. Ripple & noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
8. 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.
9. Efficiency is measured at rated load, and nominal line.

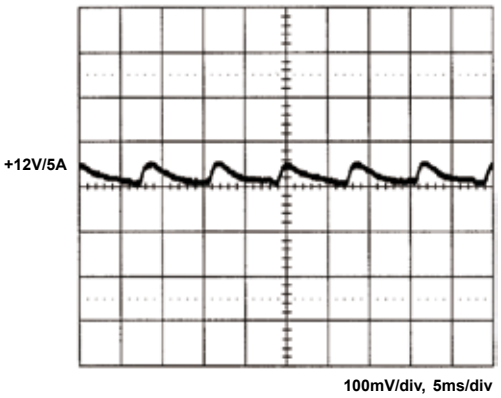
-Jim-

Performance for SNP-AF67:

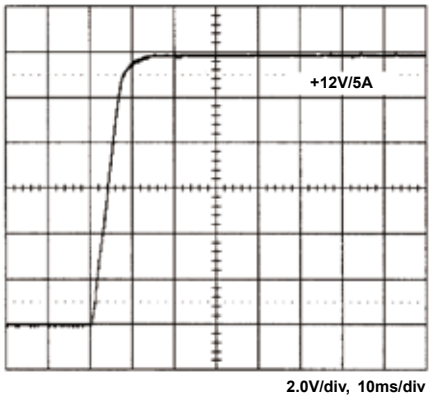
1. Switching frequency ripple



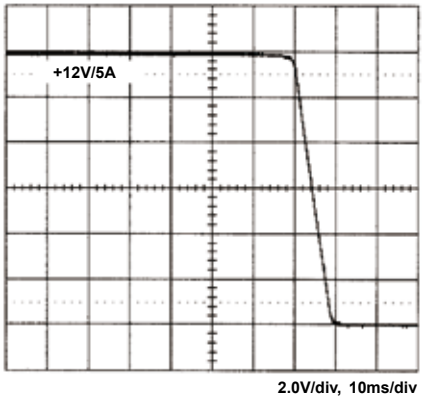
2. Line frequency ripple



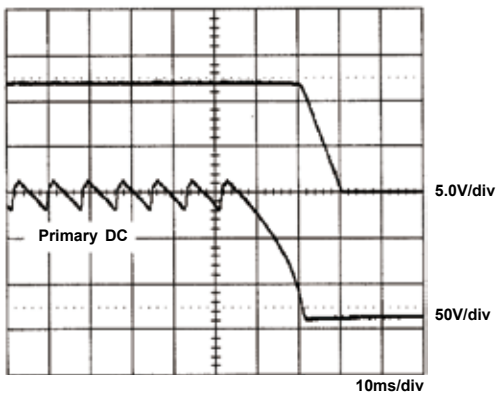
3. Output turn on wave form



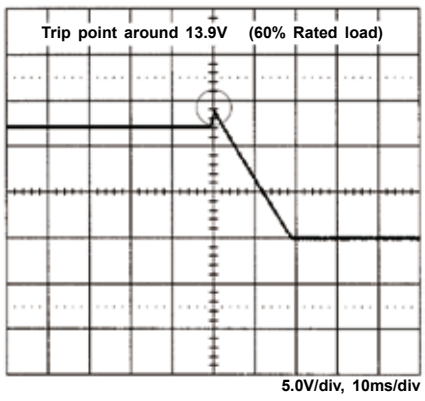
4. Output turn off wave form



5. Hold-up time

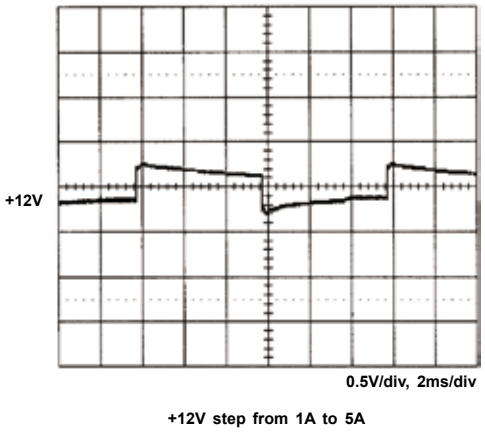


6. Over voltage protection



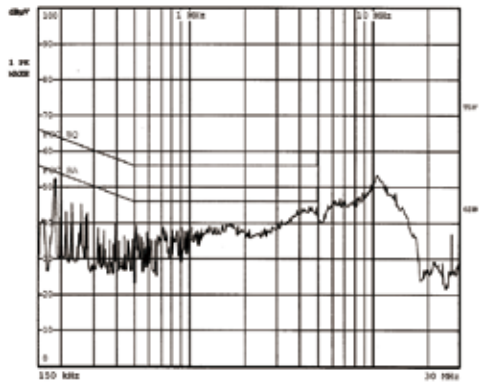
-Jim-

7. +12V step response

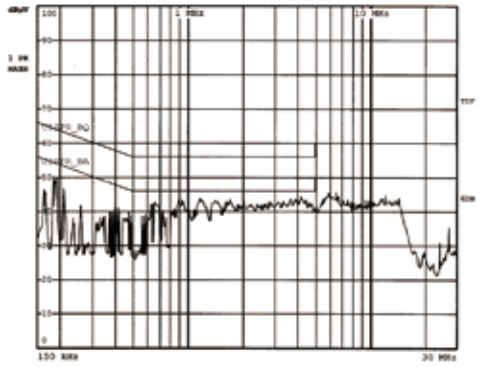


+12V step from 1A to 5A

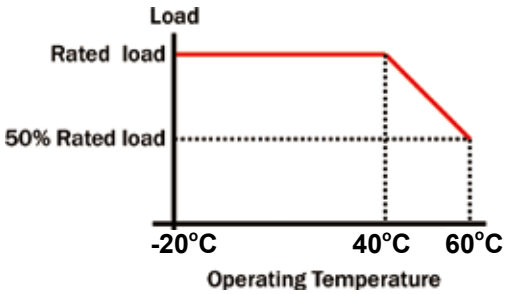
8. FCC B



9. EN 55022 B



10. Power derating curve



-Jim-