



4.8" x 4.92" x 4.06"

Features:

- With built-in PFC
- 85% ~ 90% efficiency
- 60% power boost ability
- 23.5V to 29V adjustable output range
- Parallel operation:
SNP-D129 & SNP-D249 by optional module
SNP-D489 built-in
- Patented Ring-Free ZVS & Active PFC

Applications:

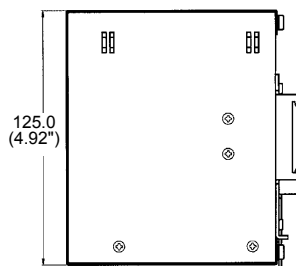
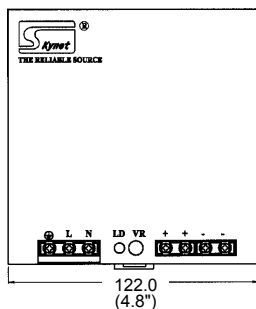
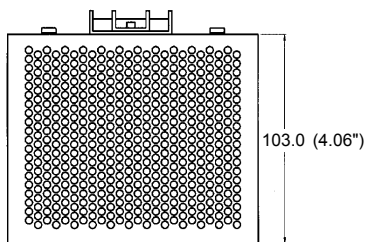
- For ITE audio equipment, telecommunication, network, IPC, instrument equipment, and other uses.

General Specifications:

Input voltage 90VAC to 264VAC
 Input current < 6A @115VAC, < 2.6A @230VAC
 Input frequency 47Hz to 63Hz
 Inrush current < 30A @ 115VAC
 (cold start at 25°C) or < 60A @ 230VAC
 Outputs see output table
 Efficiency 90% typical at 230VAC
 Hold up time > 20ms
 at 115VAC input
 Over voltage protection latch off

Short circuit protection auto recovery
 Over load protection auto recovery
 Operating temperature -10°C to +70°C
 (derating: typ. 6W/K > 60°C)
 Cooling free air convection
 Storage temperature -25°C to +85°C
 EMI standard FCC docket 20780 curve "B"
 EN55022 "B", EN61000-3-2 Class D
 Safety UL 1950, UL 508
 CSA C22.2 No. 950-M90
 EN 60950

Mechanical Specifications:



Note:

1. Size:
4.8" x 4.92" x 4.06"
2. Connectors:
AC & DC Connector : Terminal blocks
(suitable wire 26~10AWG)
3. Power on indicator:
Green light on the panel
4. Hook:
For standard symmetrical 35mm DIN-rail
5. Packing:
Net weight: 1100 g approx. / unit
Gross weight: 15.2 kg approx. / carton, 12 units / carton
Carton size (mm): 487 (L) x 380 (W) x 346 (H)

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

Output Specifications:

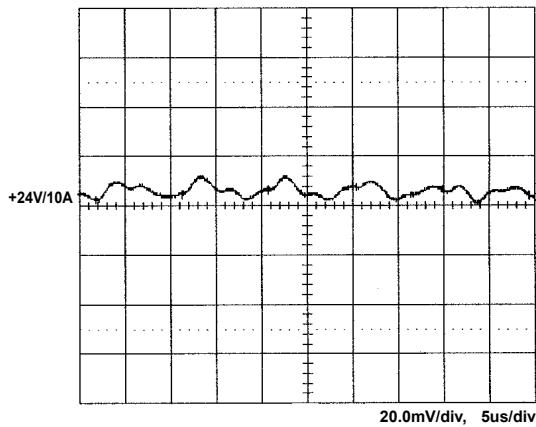
MODEL NO.	OUTPUT RAIL	LOAD				VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.	PEAK				
SNP-D249	+24V	0A	10A		12A	±2%	<50mVpp	±1%	±2%

Notes:

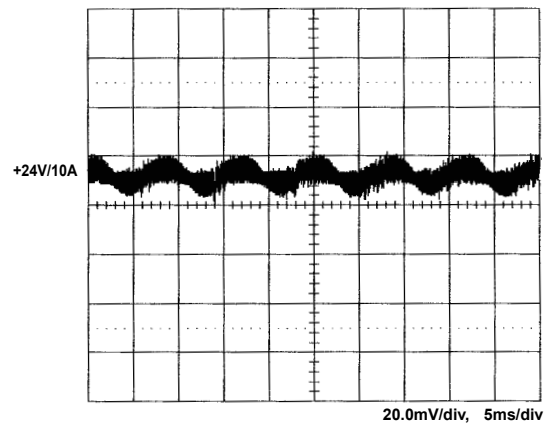
1. Each output can deliver peak load for max. 1 min. at 45°C or even continuous with forced cooling.
2. At factory, in 60% rated load condition, the output is checked to be within the accuracy range while the main output is set within the specified accuracy range at rated load.
3. Line regulation is 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.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated the output with a 0.47uF capacitor at rated load and nominal line.
6. Hold up time is measured from the end of the last charging pulse to the time when the main output drop down to regulation limit at rated load and nominal line.
7. Efficiency is measured at rated load and nominal line.

Performance:

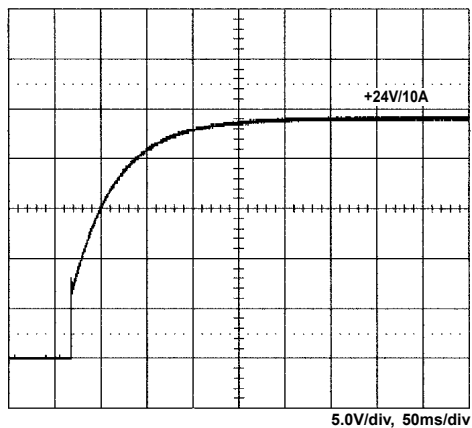
1. Switching frequency ripple



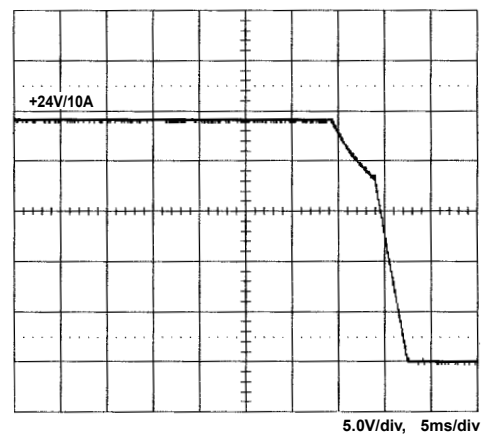
2. Line frequency ripple



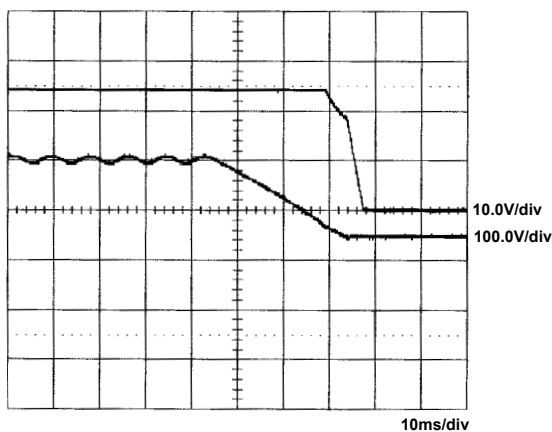
3. Output turn on wave form



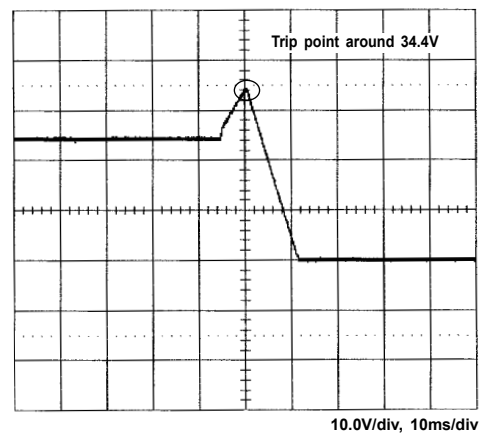
4. Output turn off wave form



5. Hold-up time

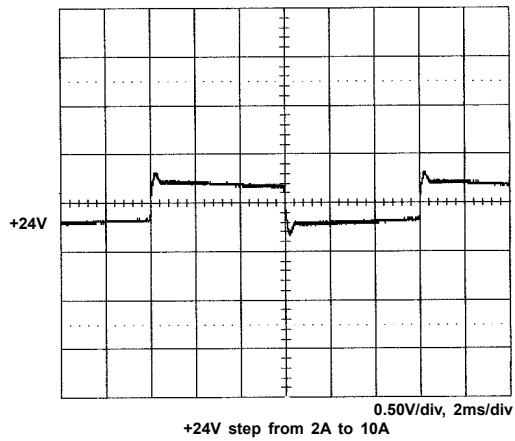


6. Over voltage protection

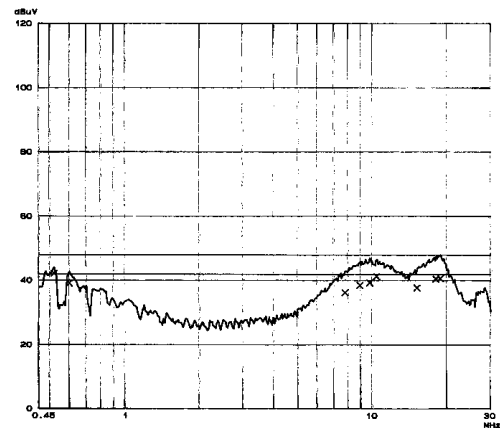


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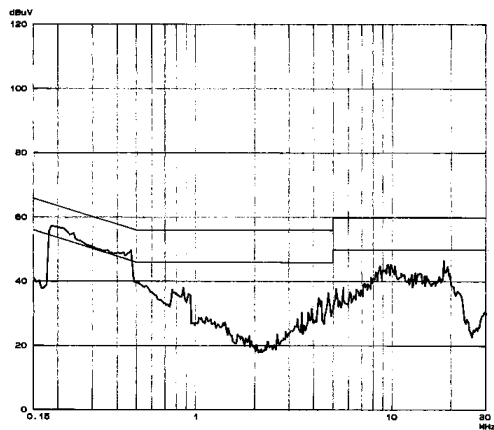
7. +24V step response



8. FCC B



9. EN 55022 B



10. Power derating curve

