



Description:

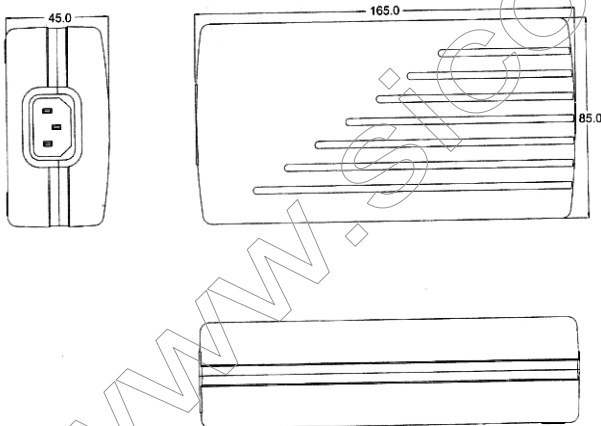
It will be a big challenge to engineers if boost active PFC plus 90W output universal power adapter is going to be designed into a 85.0mm X 165.0mm X 45.0mm box. Increasing overall efficiency and the special care of heat dissipate make SNP-A09 series reaching this impossible mission. Furthermore, the patent was granted for this circuit.

General Specifications :

Input voltage 90 VAC to 264 VAC
 Input frequency 47 Hz to 63 Hz
 Inrush current less than 60A at 230VAC cold start, 25°C
 Outputs See output table
 Efficiency 84%- 87% depends on models
 Holdup time > 16 ms at rated load and 115VAC
 Over voltage protection Latch-off
 Short circuit protection Auto-recovery

Over load protection Auto-recovery
 Operating temperature 0°C to 40°C
 Cooling Free air convection
 Storage temperature -20°C to +85°C
 EMI FCC class "B" CISPR22 level "B"
 Harmonics EN61000-3-2 class D
 EMS EN61000-4-2, -3, -4, -5,-6,-11
 Safety UL 60950 CSA 22.2 No. 234 TUV EN60950

Mechanical Specifications :



Notes:

1. Dimensions shown in mm (inch) as above.
Tolerance: ±1mm (Excluding cables).
2. Size: 85 x 165 mm x 45 mm
3. Connectors: AC input : IEC 320 Inlet
DC output : Molex 5557-06 or equivalent
4. Box Color : Black



Output Specifications:								
MODEL	OUTPUT		LOAD		VOLTAGE	RIPPLE	UNE	LOAD
NO.	RAIL	MIN.	RATED	PEAK	ACCURACY	NOISE	REG.	REG.
SNP-A097	+12V	OA	7.5A	IOA	+11.40V+12.60V	100mVpp	$\pm 1\%$	13%
SNP-A098	+15V	OA	6A	8A	+14.25V+15.75V	100mVpp	$\pm 1\%$	13%
SNP-A099	+24V	OA	3.5A	5A	+22.80V +25.20V	100mVpp	$\pm 1\%$	13%
SNP-A09T	+48V	OA	1.8A	2.5A	+45.60V +50.40V	100mVpp	$\pm 1\%$	13%

Note :

1. Output can provide up to peak load when the power supply starts up. Continuous staying in more than rated load is not allowed.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
4. Load regulation is defined by changing $\pm 40\%$ of measured output load from 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each output with a 0.47 μ F capacitor at rated load and nominal line.
6. 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.
7. Efficiency is measured at rated load, and nominal line.