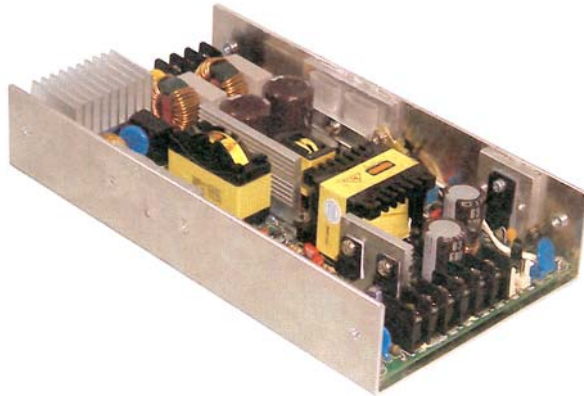




General Purpose (Universal)

**PFC + 300W
SNP-Z30 Series**



Description:

SNP-Z30 series are 300W with active PFC in U shape chassis power supplies.

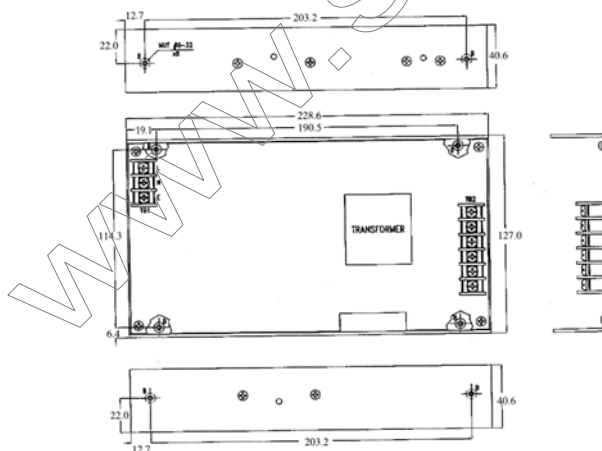
With soft-switching topology, low profile of 1.6" height, high efficiency and high density in 4.2 Watt/cu.in. are outstandingly presented in this series.

General Specifications:

Input voltage 90 VAC to 264 VAC
Input frequency 47 Hz to 63 Hz
Inrush current Less than 30A at 110VAC
or 60A at 220VAC cold start, 25°C
Outputs See output table
Efficiency 80% to 90% depending on model
Hold up time..... 20 mS typical
at rated load and 115VAC
Over load protection Auto-recovery
Short circuit protection Auto-recovery
Over voltage protection..... Latch-off

Over temperature protection Latch-off
Remote sense Compensates for 0.5V load drop min.
Operating temperature 0°C to 70°C
derating : 2.5% / °C >50°C
Cooling Free air convection for single output
With 30CFM forced air flow for multi-output
Storage temperature -20°C to +85°C
EMI EN55022 "B", FCC "B"
Harmonics..... EN61000-3-2
EMS EN61000-4-2,-3,-4,-5,-6,-8,-11
Safety UL 60950
CSA 22.2 No. 234, EN60950

Mechanical Specifications:



Notes:

1. Dimensions shown in mm (inch) as above. Tolerance: +/-1mm (Excluding cables).
2. Size:
127 x 228.6 x 43 (mm)
5 x 9 x 1.6 (inch)
3. Connectors:
AC input: Terminal blocks
DC output: Terminal blocks
Remote Sense : Molex 5045-02A or equivalent



General Purpose (Universal)

PFC + 300W
SNP-Z30 Series

Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.				
SNP-Z301	+5V	0A	32A	45A	+4.95V~+5.05V	50mVpp	±1%	±1%
	+12V	0A	10A	14A	+11.40V~+12.60V	100mVpp	±1%	±1%
	-12V	0A	1A	2A	-11.40V~-12.60V	100mVpp	±1%	±1%
SNP-Z30D	+3.3V	0A	30A	40A	+3.20V~+3.40V	50mVpp	±1%	±1%
	+5V	0A	20A	25A	+4.75V~+5.25V	50mVpp	±1%	±1%
	+12V	0A	8A	10A	+11.40V~+12.60V	100mVpp	±1%	±5%
SNP-Z306	+5V	0A	55A	70A	+4.95V~+5.05V	50mVpp	±1%	±1%
SNP-Z307	+12V	0A	25A	30A	+11.40V~+12.20V	100mVpp	±1%	±1%
SNP-Z309	+24V	0A	12A	15A	+23.80V~+24.20V	200mVpp	±1%	±1%
	+5V	0A	2A		+4.90V~+5.10V	50mVpp	±1%	±1%
SNP-Z30T	+48V	0A	6.25A	8A	+47.80V~+48.20V	200mVpp	±1%	±1%
	+5V	0A	2A		+4.90V~+5.10V	50mVpp	±1%	±1%

Note:

1. Each output can provide up to max load separately. Continuous staying in more than total output power is not allowed in free air convection.
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 at another output set to 60% rated load.
5. Ripple & noise is measured by using 15MHz bandwidth limited oscilloscope and terminated each 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 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.