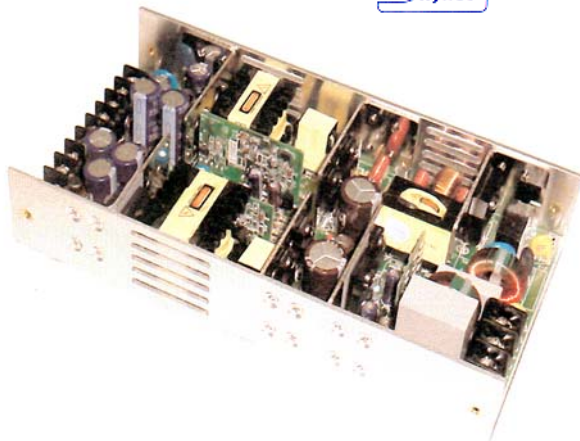




# General Purpose (Universal)

PFC + 200W  
SNP-Z20 Series



## Description:

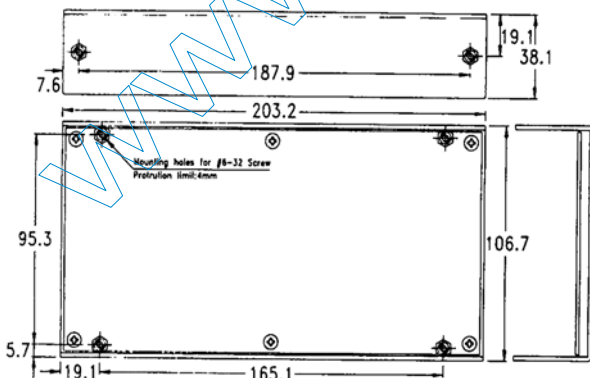
SNP-Z20 series are 200W with active PFC in U-shape chassis power supplies.

With soft-switching topology, low-profile height fits 1U constraints, high efficiency and high density in 4.0 watts/cu.in.

## General Specifications:

Input voltage .....	90 VAC to 264 VAC	Short circuit protection.....	Auto-recovery
Input frequency .....	47 Hz to 63 Hz	Over voltage protection .....	Latch off
Inrush current .....	less than 20A at 115VAC or 40A at 230VAC cold start, 25°C	Operating temperature .....	0°C to 50°C
Outputs .....	See output table	Cooling .....	Free air convection
Efficiency .....	82%~87% depends on models	Storage temperature .....	-20°C to +85°C
Hold up time .....	>20 ms at rated load and 115VAC	EMI .....	EN55022 "B"
Over load protection .....	Auto-recovery	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:

- Dimensions shown in mm (inch) as above. Tolerance: +/-1mm (Excluding cables).
- Size:  
106.7mm X 203.2mm X 38.1mm  
4.2" X 8.0" X 1.5"
- Connectors:  
AC input : Terminal blocks  
DC output: Terminal blocks  
Fan: Molex 5045-02A or equivalent  
Signals: 2 X 5 (10 pins) 0.1" pitch



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## Output Specifications:

MODEL NO.	OUTPUT RAIL	LOAD			VOLTAGE ACCURACY	RIPPLE NOISE	LINE REG.	LOAD REG.
		MIN.	RATED	MAX.				
SNP-Z201	+5V	2A	20A	25A	+4.95V~+5.05V	50mVpp	±1%	±1%
	+12VA	0A	6A	8A	+11.4V~+12.60V	120mVpp	±1%	±5%
	+12VB	0A	2A	3A	+11.4V~+12.60V	120mVpp	±1%	±5%
SNP-Z20D	+3.3V	2A	20A	30A	+3.20V~+3.40V	50mVpp	±1%	±1%
	+5V	0A	15A	20A	+4.75V~+5.25V	50mVpp	±1%	±5%
	+12V	0A	3A	6A	+11.40V~+12.60V	120mVpp	±1%	±5%
SNP-Z206	+5V	0A	36A		+4.95V~+5.05V	50mVpp	±1%	±1%
SNP-Z207	+12V	0A	17A		+11.40V~+12.20V	120mVpp	±1%	±1%
SNP-Z208	+15V	0A	13.5A		+14.25V~+15.75V	150mVpp	±1%	±1%
SNP-Z209	+24V	0A	8.5A		+23.80V~+24.20V	200mVpp	±1%	±1%
SNP-Z20T	+48V	0A	4.3A		+45.60V~+50.40V	200mVpp	±1%	±1%

### Note:

- Each output can provide up to max load separately when the power supply starts up. To exceed the max. output power continuously is not allowed.
- At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±40% of measured output load from 60% rated load at another output set to 60% rated load.
- 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.
- 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.
- Efficiency is measured at rated load and nominal line.
- +12VB is floating.