



Description:

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

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

General Specifications:

Input voltage	90 VAC to 264 VAC	Over voltage protection.....	latch-off
Input frequency	47 Hz to 63 Hz	Operating temperature	0 °C to 50 °C
Inrush current	Less than 20A at 115VAC or 40A at 230VAC cold start, 25° C	Cooling	free air convection
Outputs	see output table	Storage temperature	-20° C to +85° C
Efficiency	82% to 87% depending on model	EMI	EN55022 "B"
Hold up time.....	>20 mS at rated load and 115VAC	Harmonics.....	EN61000-3-2 Class D
Over load protection	auto-recovery	EMS	EN61000-4-2,-3,-4,-5,-6,-11
Short circuit protection	auto-recovery	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:
106.7 x 203.2 x 38.1 (mm)
4.2 x 8 x 1.5 (inch)
- Connectors:
AC input: Terminal blocks
DC output: Terminal blocks
FAN: Molex 5045-02A or equivalent
Signals: 2 x 5 (10 pins) 0.1" pitch

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%
	+12V A	0A	6A	8A	+11.40V~+12.60V	120mVpp	±1%	±5%
	+12V B	0A	2A	3A	+11.40V~+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 $\pm 10\%$ of input voltage from nominal line at rated load.
- Load regulation is defined by changing $\pm 40\%$ 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.
- +12V B is floating.