

80 PLUS Verification and Testing Report

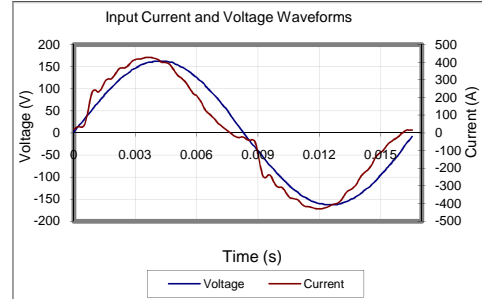
TYPICAL EFFICIENCY (50% Load):	85.87%
AVERAGE EFFICIENCY :	84.14%
80 PLUS COMPLIANT:	YES



Ecos ID #	2208
Manufacturer	RASURBO (PNL-TEC)
Model Number	RAPM 550
Serial Number	N/A
Year	2010
Type	ATX12V
Test Date	9/20/2010

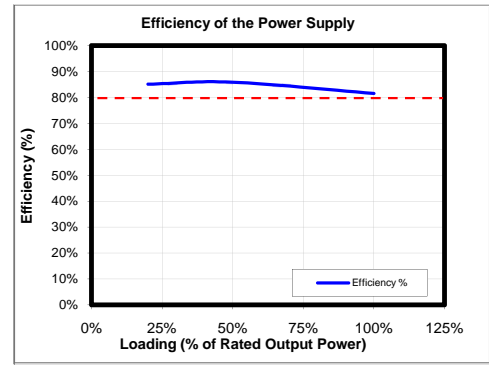
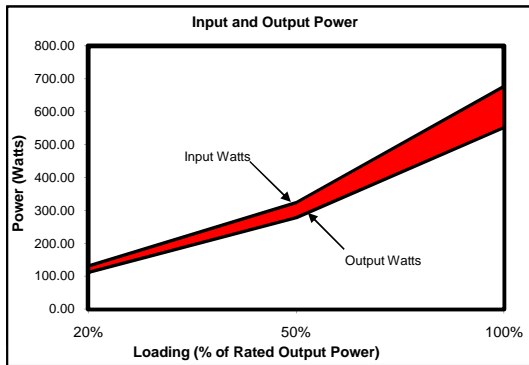
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 13.32%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5Vsb		
1.16	0.98	14.33%	20%	Light	131.20	12.2/7.2	11.8/0	3.3/3.3	5/2.1	5.1/0.5	111.63	85.08%
2.90	0.97	13.32%	50%	Typical	324.10	12.1/17.9	11.8/0.1	3.3/8.3	5/5.2	5/1.1	278.30	85.87%
5.96	0.99	8.44%	100%	Full	678.00	12.1/35.8	11.9/0.3	3.3/16.5	5/10.4	5/2.2	552.43	81.48%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

