

# 80 PLUS Verification and Testing Report

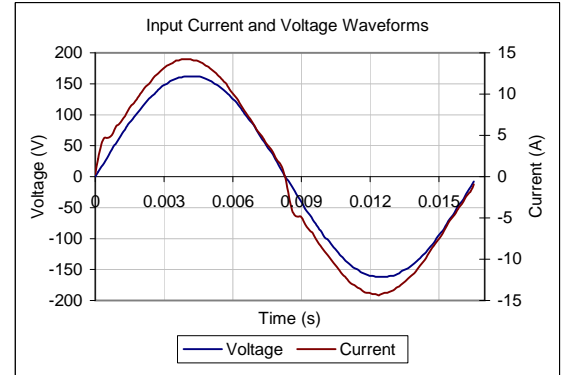
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.53%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.40%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	297.1
<b>Manufacturer</b>	Tunig
<b>Model Number</b>	PSU-MIN950-BK
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	7/5/2007

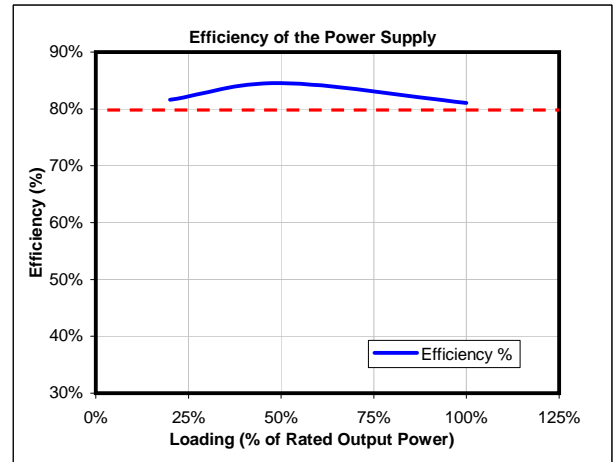
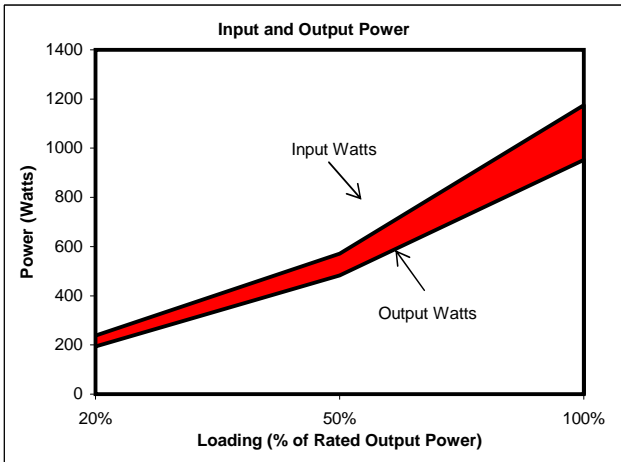
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	15	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>950</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 17.9%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
2.12	0.98	7.5%	20%	Light	238	12.3/12.8	12.2/0.1	3.4/3.4	5.1/4.2	5.1/0.6	194	81.63%
5.06	0.98	17.9%	50%	Typical	571	12.2/32.1	12.2/0.2	3.3/8.4	5/10.5	5/1.5	482	84.53%
10.24	1.00	4.7%	100%	Full	1175	12.1/64.1	12.2/0.5	3.2/16.8	4.8/21.1	4.8/3	952	81.04%



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/>

