

# 80 PLUS Verification and Testing Report

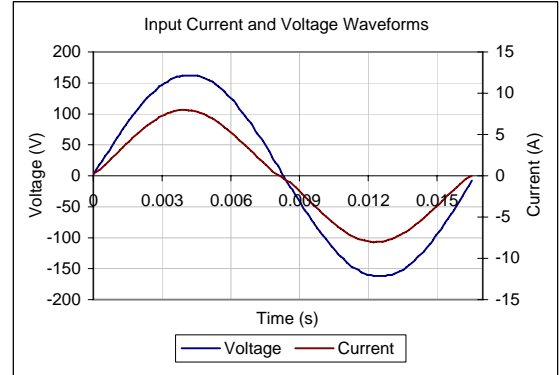


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.20%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.23%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	295
<b>Manufacturer</b>	NEXUS
<b>Model Number</b>	NX-8050
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	7/9/2007

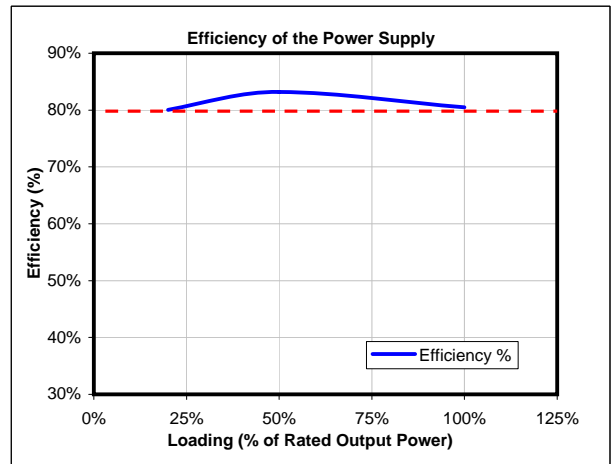
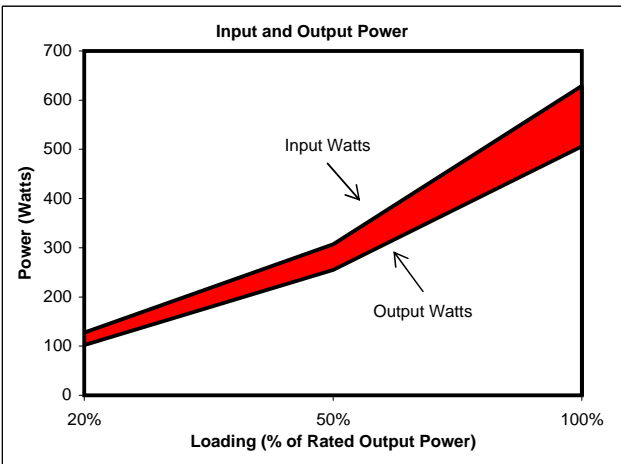
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 12.71%, 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		
1.14	0.97	21.6%	20%	Light	128	12.3/5.4	12.5/0.1	3.3/4.1	5.1/3.4	5.1/0.5	102	80.01%
2.69	0.99	12.7%	50%	Typical	307	12.3/13.6	12.6/0.3	3.3/10.4	5/8.6	5/1.2	255	83.20%
5.48	1.00	6.6%	100%	Full	629	12.4/27.1	12.6/0.6	3.2/20.6	4.9/17.3	4.9/2.4	506	80.48%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.