

# 80 PLUS Verification and Testing Report

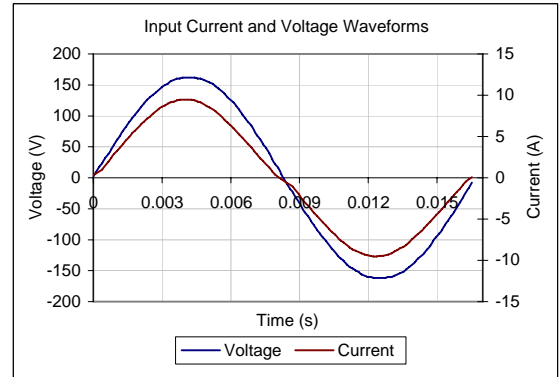


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.57%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.67%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	296
<b>Manufacturer</b>	NEXUS
<b>Model Number</b>	NX-8060
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	7/5/2007

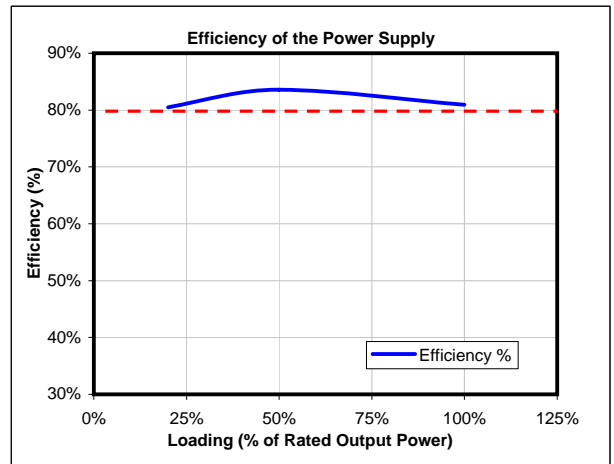
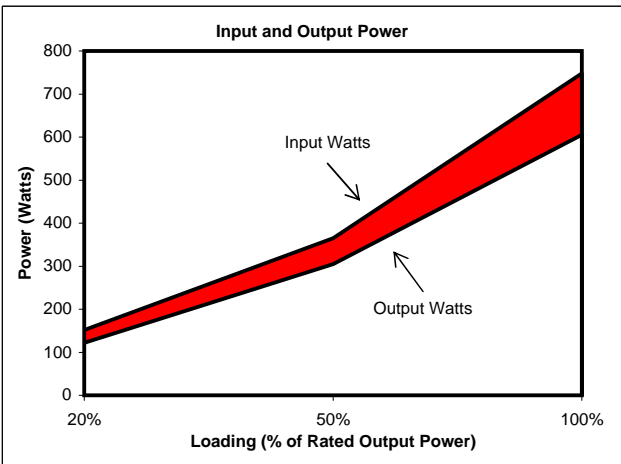
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 11.84%, 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		
1.35	0.97	20.5%	20%	Light	152	12.2/7.1	12.3/0.1	3.3/4.1	5.1/3.4	5.1/0.5	122	80.51%
3.20	0.99	11.8%	50%	Typical	365	12.3/17.8	12.4/0.3	3.3/10.4	5/8.6	5/1.2	305	83.57%
6.52	1.00	11.8%	100%	Full	748	12.3/35.5	12.5/0.6	3.2/20.6	4.8/17.3	4.9/2.4	605	80.94%



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.

