

# 80 PLUS Verification and Testing Report

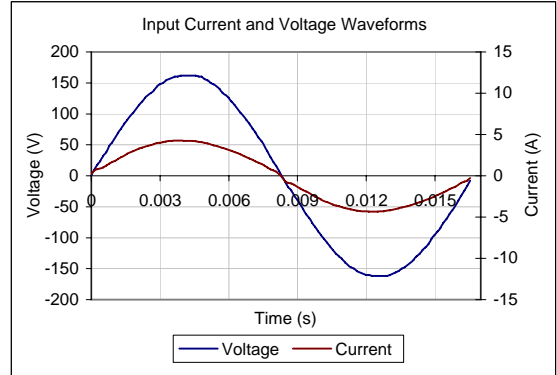


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.18%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.17%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	281
<b>Manufacturer</b>	DELL
<b>Model Number</b>	H309P
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	Custom
<b>Test Date</b>	6/27/2007

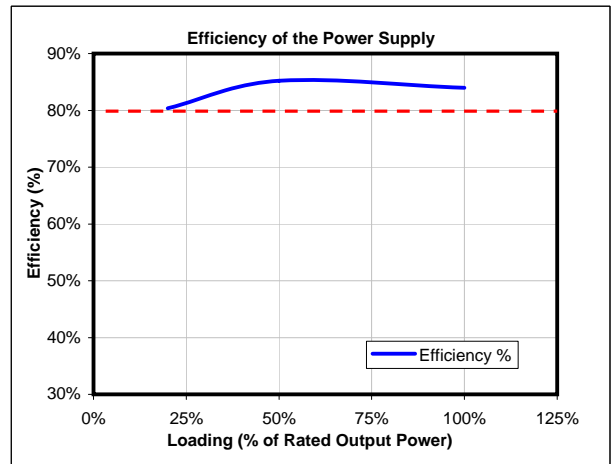
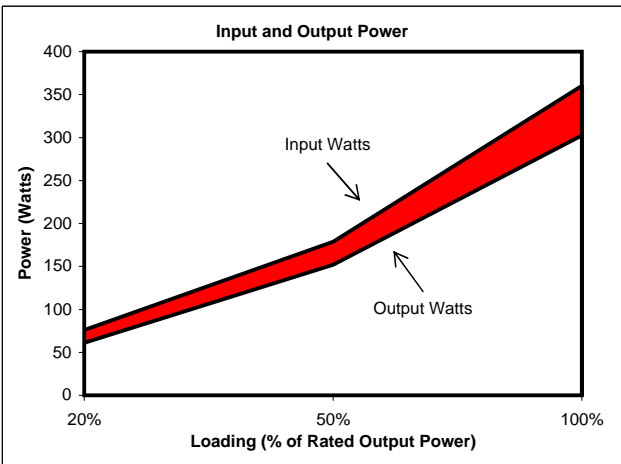
Rated Specifications	Value	Units
Input Voltage	100-120	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>305</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 3.44%, 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		
0.67	0.98	4.9%	20%	Light	76	11.9/3	11.6/0.2	3.3/2.1	5.1/2.7	5/0.4	61	80.35%
1.56	0.99	3.4%	50%	Typical	179	11.9/7.5	11.7/0.5	3.3/5.2	5.1/6.8	5/1	152	85.18%
3.14	1.00	3.5%	100%	Full	360	11.9/15.1	12.1/1	3.3/10.5	5/13.6	4.9/2	302	83.97%



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.

