

# 80 PLUS Verification and Testing Report

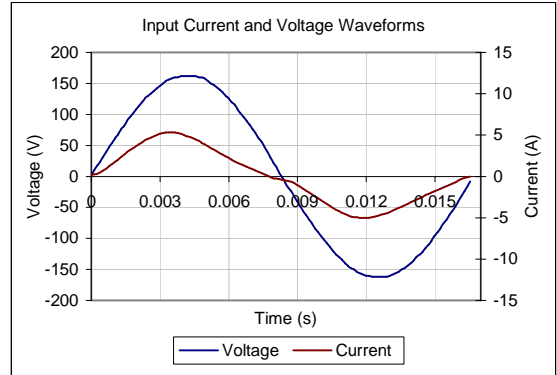


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.84%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.21%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	435
<b>Manufacturer</b>	Hewlett Packard
<b>Model Number</b>	DPS-300AB-20C
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	CUSTOM
<b>Test Date</b>	10/29/2007

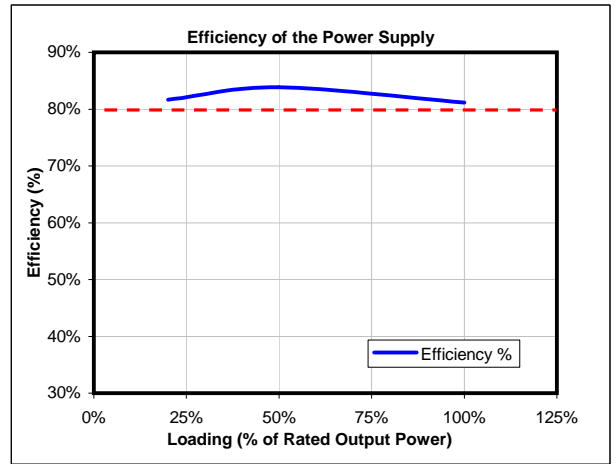
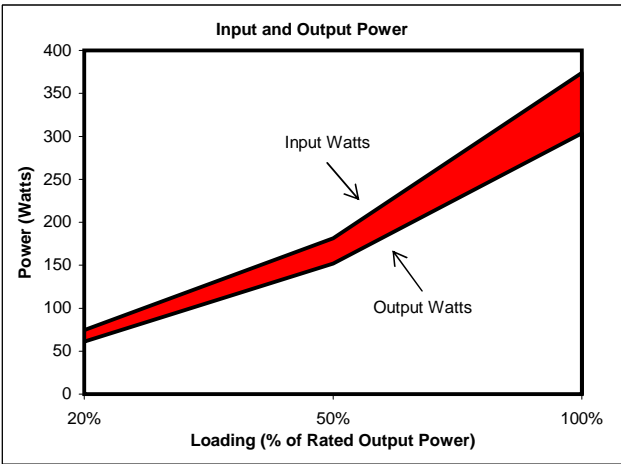
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 18.9%, 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		
0.68	0.95	20.1%	20%	Light	75	12.1/3.1	12.1/0	3.3/2.2	5.1/2.6	5.1/0.4	61	81.67%
1.63	0.97	18.9%	50%	Typical	181	12.1/7.8	12.1/0.1	3.3/5.5	5.1/6.5	5/1	152	83.84%
3.33	0.98	15.5%	100%	Full	374	12.2/15.6	12.2/0.1	3.3/11	5/13.1	5/2	303	81.13%



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.