

80 PLUS Verification and Testing Report

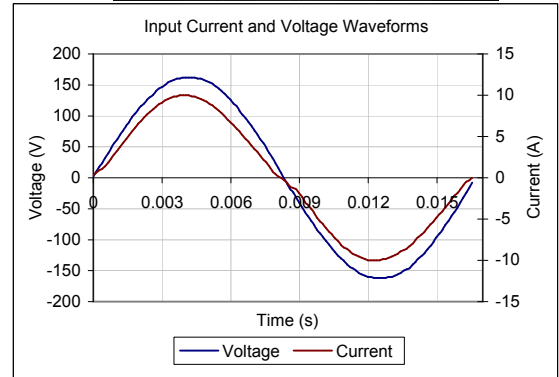


TYPICAL EFFICIENCY (50% Load):	84.34%
AVERAGE EFFICIENCY :	82.38%
80 PLUS COMPLIANT:	YES

Ecos ID #	286
Manufacturer	HP
Model Number	DPS_650LBA
Serial Number	BGCD0718000545
Year	2007
Type	CUSTOM
Test Date	7/3/2007

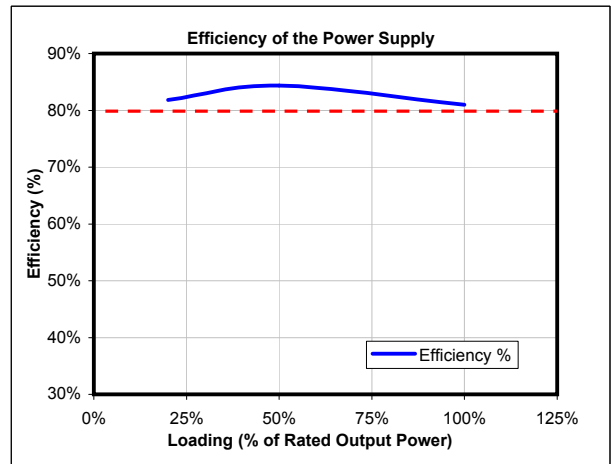
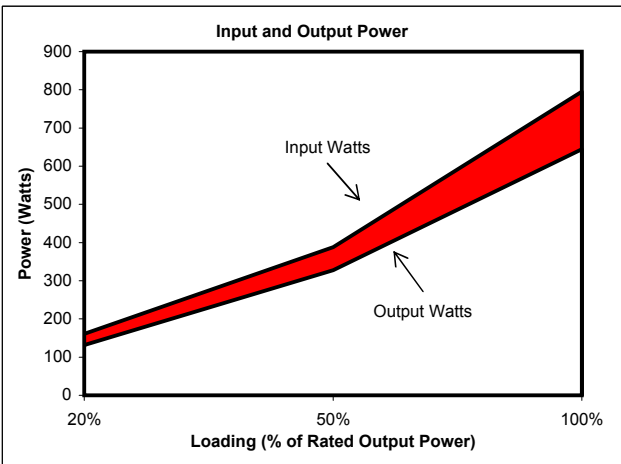
Rated Specifications	Value	Units
Input Voltage	100-127	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 8.44%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
1.41	0.99	9.2%	20%	Light	161	12.2/8.8	12/0	3.3/2.3	5/2.7	5/0.5	132	81.83%
3.39	1.00	8.4%	50%	Typical	388	12.1/22.1	12/0.1	3.2/5.8	5/6.8	4.9/1.3	327	84.34%
6.93	1.00	6.2%	100%	Full	795	12/44.1	12.2/0.1	3.1/11.7	4.8/13.6	4.8/2.7	644	80.98%



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.