

80 PLUS Verification and Testing Report

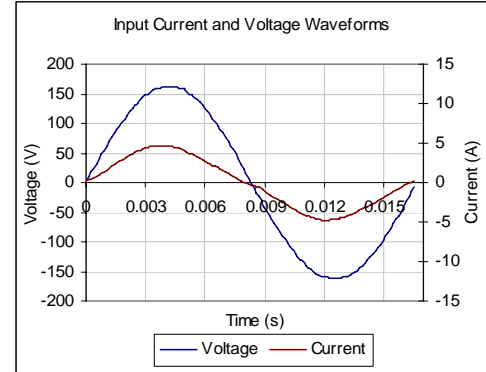


TYPICAL EFFICIENCY (50% Load):	84.74%
AVERAGE EFFICIENCY :	82.92%
80 PLUS COMPLIANT:	YES

Ecos ID #	172
Manufacturer	DELL
Model Number	HK595
Serial Number	TB6371200203
Year	2007
Type	Custom
Test Date	2/14/2007

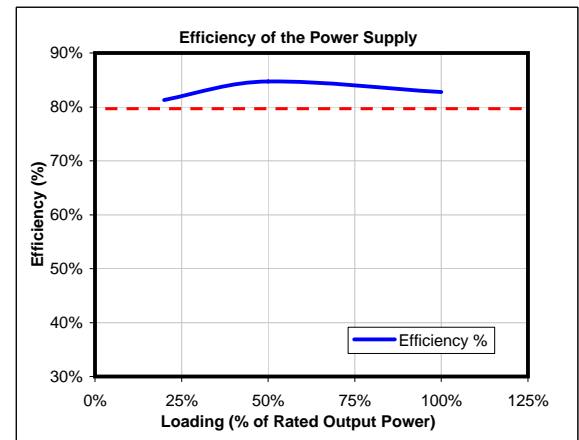
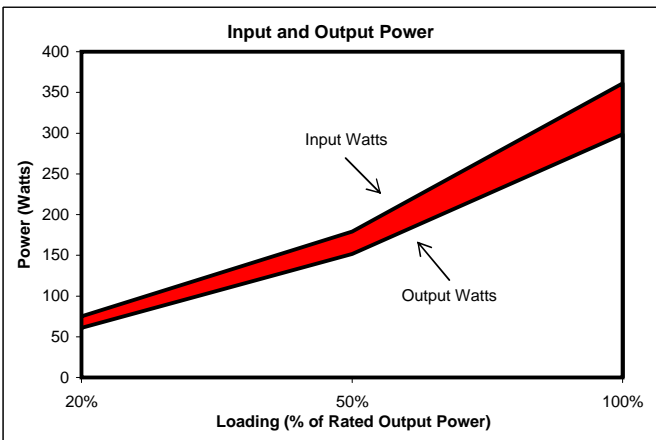
Rated Specifications	Value	Units
Input Voltage	100-120/200-240	Volts
Input Current	6/3	Amps
Input Frequency	50/60	Hz
Rated Output Power	305	Watts

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



Input AC Current Waveform (ITHD = 9.38%, 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 %				
						12VA	12VB	-12V	3.3V			5V*	5VSB		
0.67	0.97	9.5%	20%	Light	75	11.9/1.5	11.9/1.5			11.6/0.1	3.3/2.2	5.1/2.8	5/0.3	61	81.27%
1.58	0.99	9.4%	50%	Typical	179	11.9/3.9	11.9/3.9			11.8/0.3	3.3/5.4	5/6.9	5/0.7	152	84.74%
3.17	0.99	9.6%	100%	Full	361	12/7.7	11.9/7.7			12.2/0.7	3.2/10.7	4.7/13.9	4.9/1.4	299	82.74%



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.