

80 PLUS Verification and Testing Report

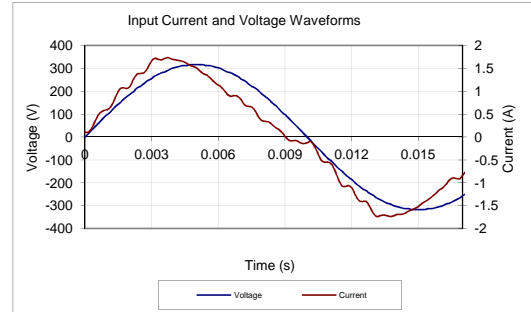
TYPICAL EFFICIENCY (50% Load):	91.68%
AVERAGE EFFICIENCY :	90.17%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-025
Manufacturer	DELL Inc.
Model Number	AC450E-S0
Serial Number	NA
Year	2014
Type	2U
Test Date	6/26/14

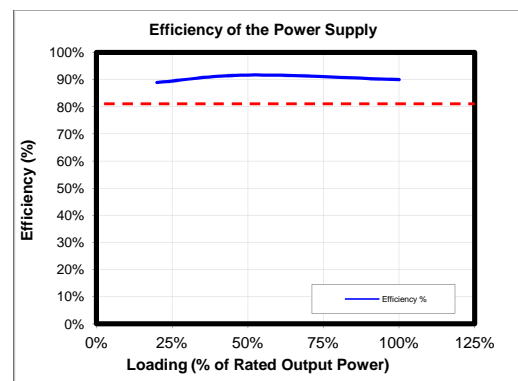
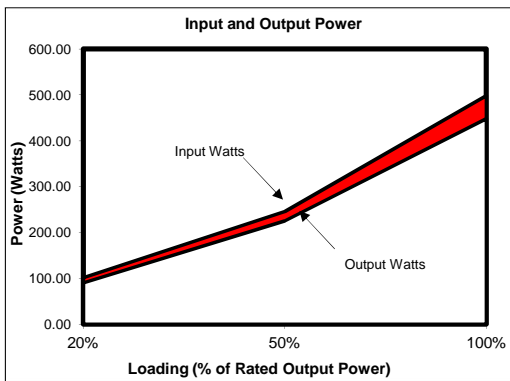
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3.5-6.5	Amps
Input Frequency	50/60	Hz
Rated Output Power	450	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 14.77%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	12Vsb		
0.29	0.81	27.11%	10%	53.38	12.3/3.4	0/0	0/0	0/0	12/0.3	45.28	84.83%
0.49	0.90	19.46%	20%	101.90	12.3/6.8	0/0	0/0	0/0	12/0.6	90.56	88.88%
1.12	0.96	14.77%	50%	246.10	12.2/17.1	0/0	0/0	0/0	12/1.4	225.62	91.68%
2.22	0.98	12.39%	100%	498.60	12.1/34.2	0/0	0/0	0/0	12/2.8	448.50	89.95%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

