

80 PLUS Verification and Testing Report

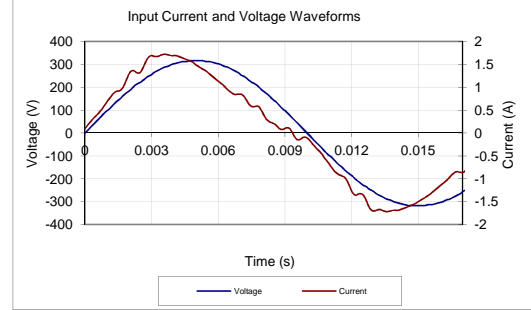
TYPICAL EFFICIENCY (50% Load):	91.76%
AVERAGE EFFICIENCY :	89.91%
80 PLUS COMPLIANT:	YES



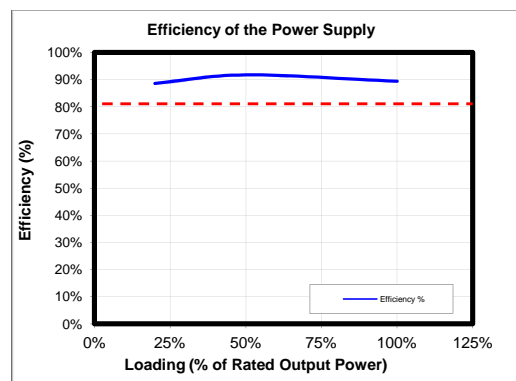
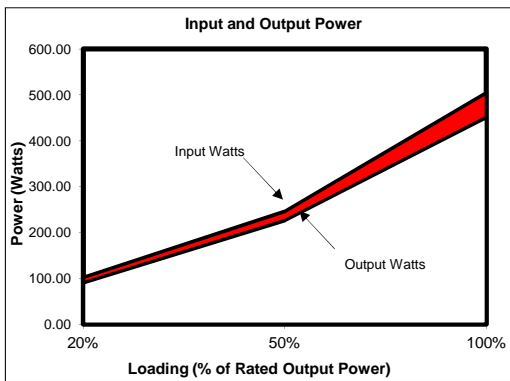
Ecos ID #	EU-026
Manufacturer	DELL Inc.
Model Number	AC450E-S1
Serial Number	NA
Year	2014
Type	1U
Test Date	6/26/14

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.



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		
0.30	0.79	26.12%	10%	54.05	12.3/3.4	0/0	0/0	0/0	12/0.3	45.34	83.89%
0.49	0.90	16.80%	20%	102.45	12.3/6.8	0/0	0/0	0/0	12/0.6	90.73	88.56%
1.12	0.96	14.08%	50%	246.50	12.2/17.1	0/0	0/0	0/0	12/1.4	226.18	91.76%
2.25	0.98	12.23%	100%	504.90	12.2/34.2	0/0	0/0	0/0	12/2.8	451.36	89.40%



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/>

