

80 PLUS Verification and Testing Report

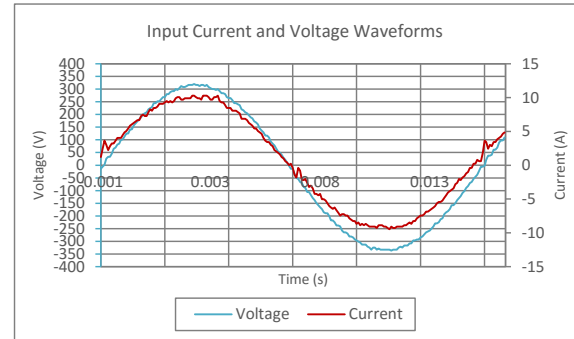
TYPICAL EFFICIENCY (50% Load):	94.64%
AVERAGE EFFICIENCY :	94.11%
80 PLUS COMPLIANT:	YES



ID Number	SO-1311
Manufacturer	DELL Inc.
Model Number	A3000E-S0
Serial Number	N/A
Year	2017
Type	1U
Test Date	08/31/17

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	16	Amps
Input Frequency	50/60	Hz
Rated Output Power	3,000	Watts

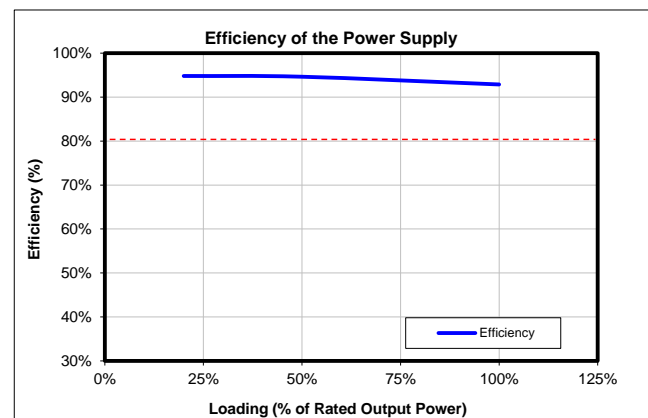
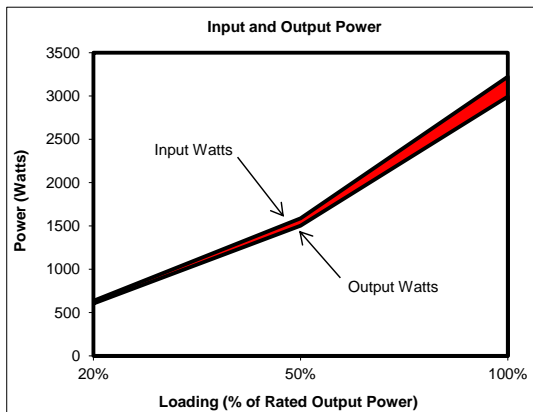
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.57%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12.2V	12Vsb		
1.48	0.95	8.11%	10%	Low	324	1.44	12.25/24.46	12.1/0.2	302	93.13%
2.81	0.99	2.86%	20%	Light	636	1.44	12.24/48.91	12.07/0.4	603	94.81%
6.94	0.99	2.57%	50%	Typical	1589	2.40	12.2/122.27	12.01/1	1503	94.64%
14.04	1.00	2.26%	100%	Full	3223	20.28	12.15/244.46	11.97/1.99	2994	92.88%

* Fan power is not included in the efficiency calculations



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/>

