

80 PLUS Verification and Testing Report

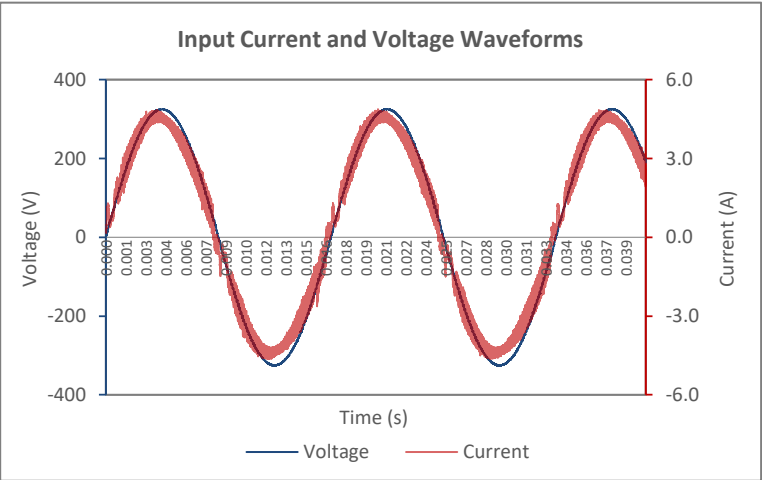
TYPICAL EFFICIENCY (50% Load):	96.04%
AVERAGE EFFICIENCY :	94.58%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2383
Manufacturer	Dell
Model Number	D1400E-S2
Serial Number	N/A
Year	2024
Type	1U
Test Date	01/11/24

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-8	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,400	Watts

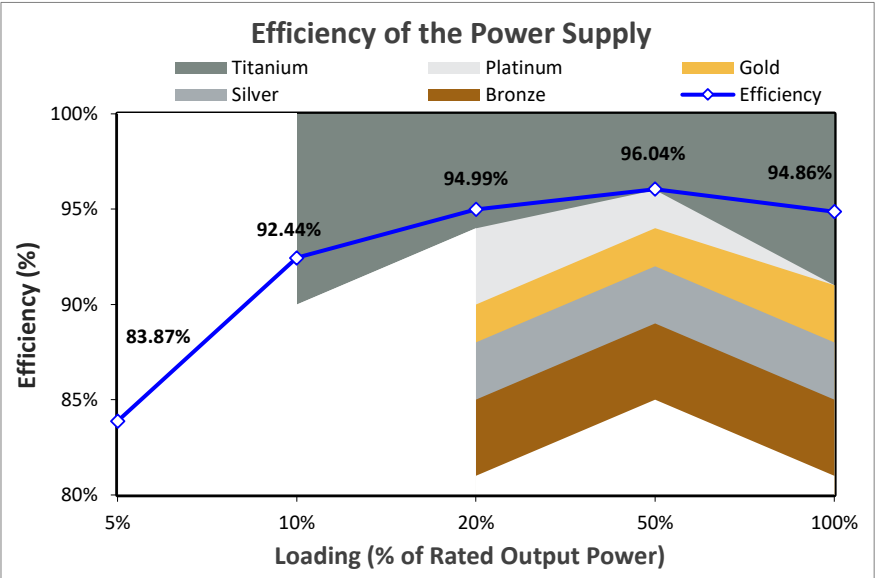
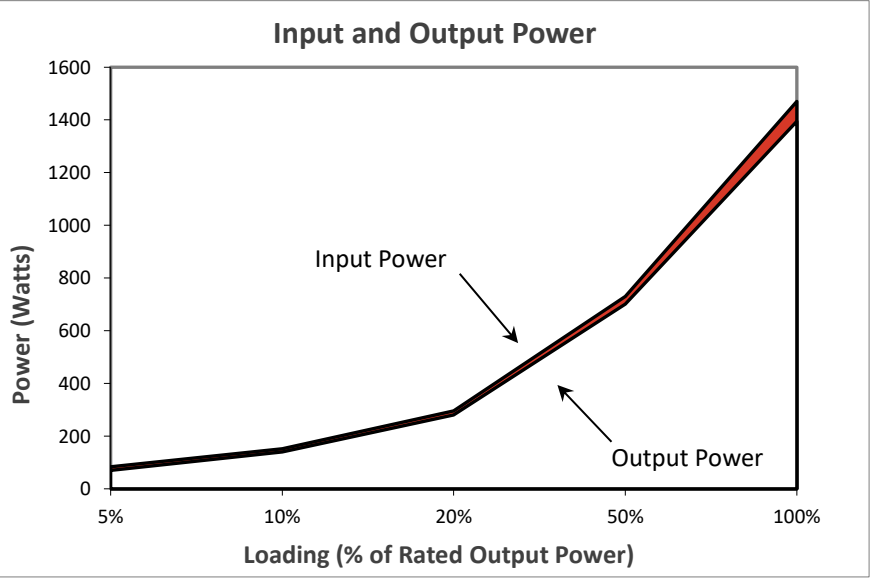
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.38%, 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		
0.221	0.0918	11.673	0%	No-Load	4.68	18.43	No-Load			
0.421	0.8658	9.316	5%	Minimum	83.85	18.34	12.25/5.64	11.98/0.1	70.32	83.87%
0.696	0.9512	7.786	10%	Low	152.15	18.26	12.25/11.29	11.95/0.2	140.65	92.44%
1.303	0.9868	7.131	20%	Light	295.88	18.18	12.24/22.58	11.92/0.39	281.04	94.99%
3.190	0.9943	4.384	50%	Typical	729.45	18.06	12.21/56.41	12.01/0.98	700.60	96.04%
6.404	0.9980	3.187	100%	Full	1470.40	17.46	12.15/112.83	11.99/1.97	1394.85	94.86%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 13.6Vdc



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/>