

80 PLUS Verification and Testing Report

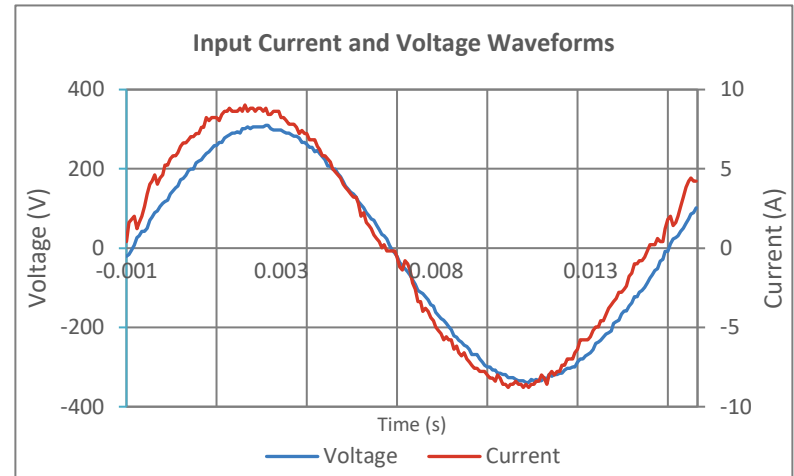
TYPICAL EFFICIENCY (50% Load):	96.28%
AVERAGE EFFICIENCY :	95.42%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2098
Manufacturer	Dell
Model Number	L2800E-S1
Serial Number	TW-0NCMPF-LOK00-26L-00B8-X10
Year	2022
Type	1U
Test Date	09/01/22

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	15.6	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,800	Watts

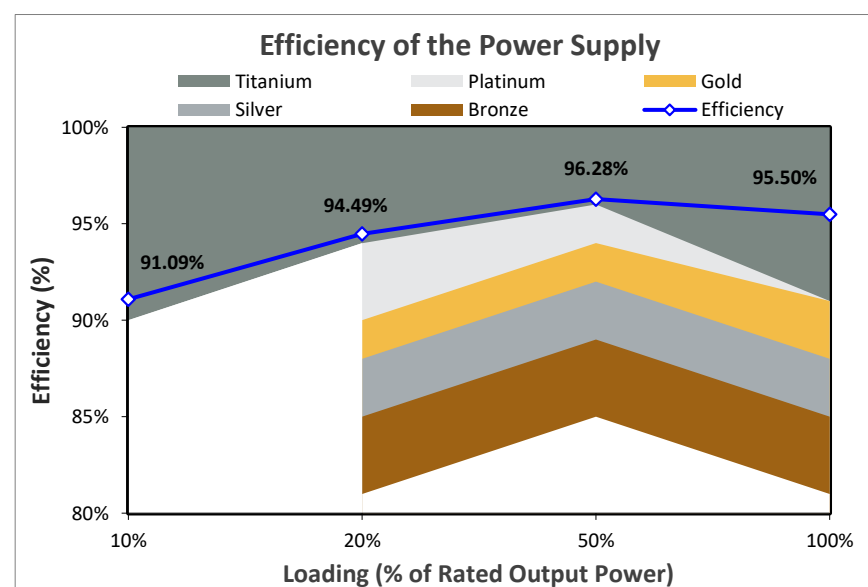
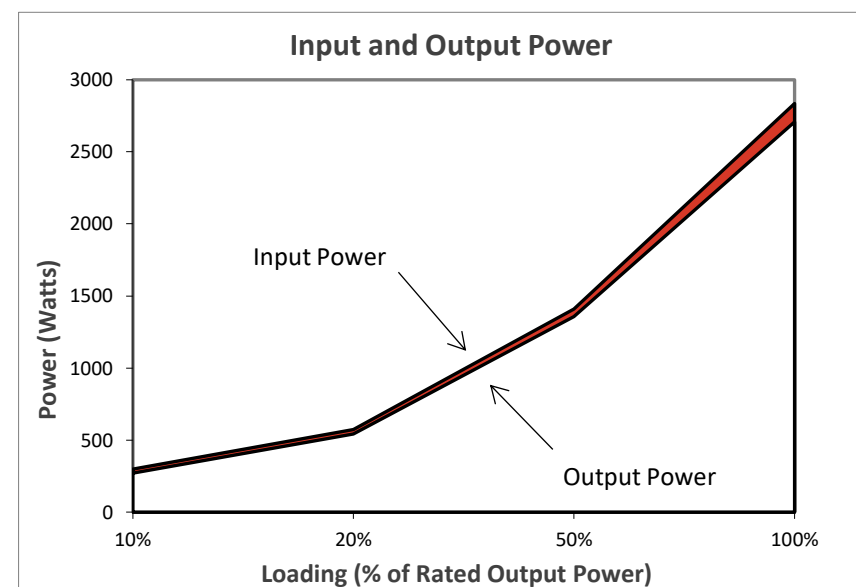
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.691%, 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
							56V	12Vsb		
1.370	0.9453	9.50%	10%	Low	298.01	0.97	54.1/4.97	12.13/0.19	271.45	91.09%
2.550	0.9792	4.39%	20%	Light	574.42	0.96	54.08/9.95	12.1/0.39	542.74	94.49%
6.179	0.9906	3.69%	50%	Typical	1407.99	2.12	54.04/24.87	12.02/0.96	1355.61	96.28%
12.340	0.9991	1.66%	100%	Full	2835.44	7.81	53.97/49.74	11.9/1.92	2707.79	95.50%

* 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/>