

80 PLUS Verification and Testing Report

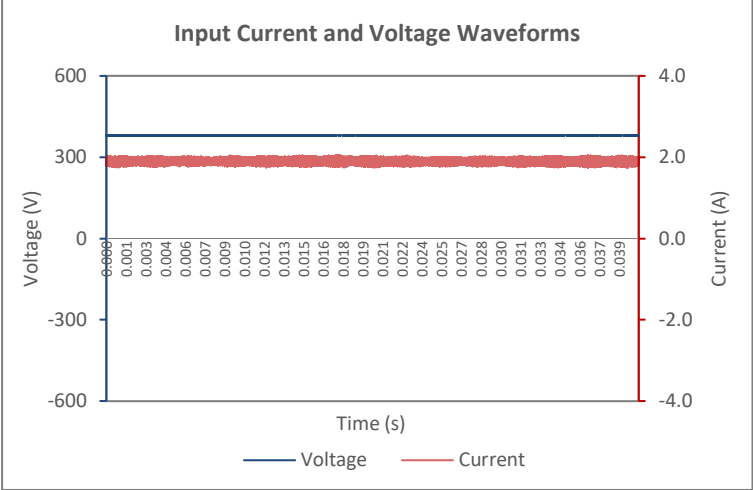
TYPICAL EFFICIENCY (50% Load):	96.28%
AVERAGE EFFICIENCY :	94.35%
80 PLUS COMPLIANT:	Titanium



ID Number	380VDC-34
Manufacturer	Dell
Model Number	D1400E-S1
Serial Number	N/A
Year	2023
Type	1U
Test Date	08/16/23

Rated Specifications	Value	Units
Input Voltage	336	Volts
Input Current	5.17	Amps
Input Frequency	0	Hz
Rated Output Power	1,400	Watts

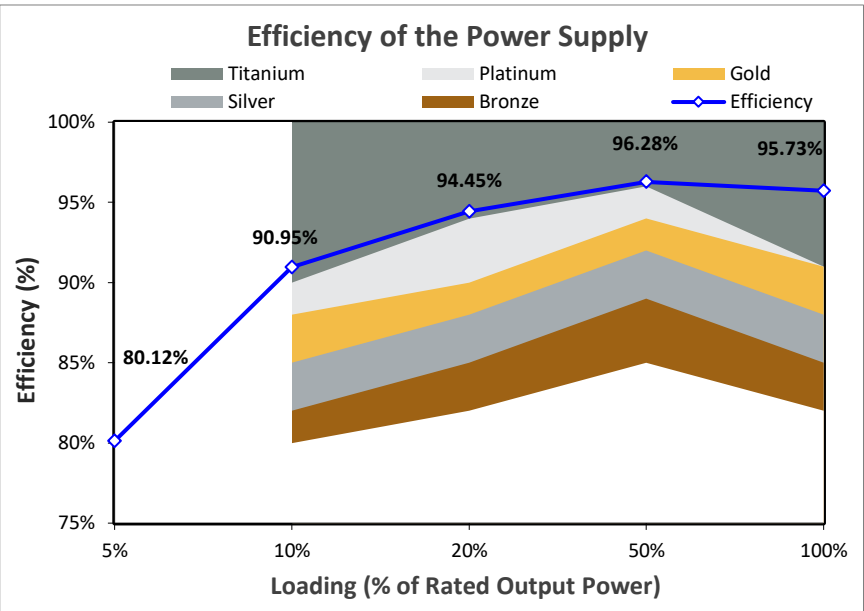
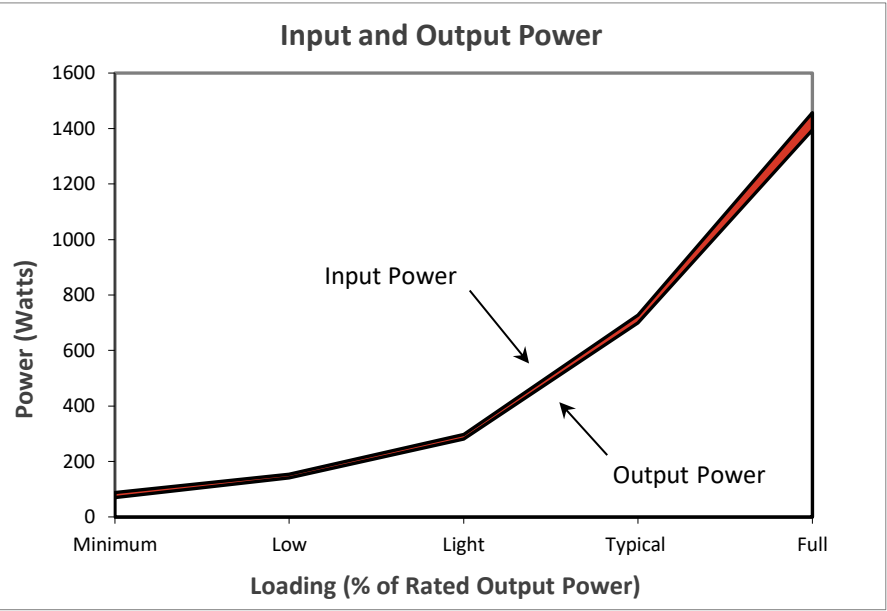
Note: All measurements were taken with input voltage at 380 Vdc nominal and 0 Hz.



Input AC Current Waveform (ITHD = 0.5%, 50% Load)

I _{RMS}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					12.2V	12Vsb		
0.015	0%	No-Load	5.76	18.82	No-Load			
0.231	5%	Minimum	87.66	18.65	12.25/5.64	11.9/0.1	70.23	80.12%
0.406	10%	Low	154.42	18.66	12.25/11.28	11.88/0.2	140.45	90.95%
0.782	20%	Light	297.17	18.58	12.24/22.56	11.84/0.39	280.68	94.45%
1.913	50%	Typical	727.03	18.44	12.21/56.38	12/0.98	699.96	96.28%
3.835	100%	Full	1457.21	18.01	12.15/112.83	11.99/1.97	1394.97	95.73%

* 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/>