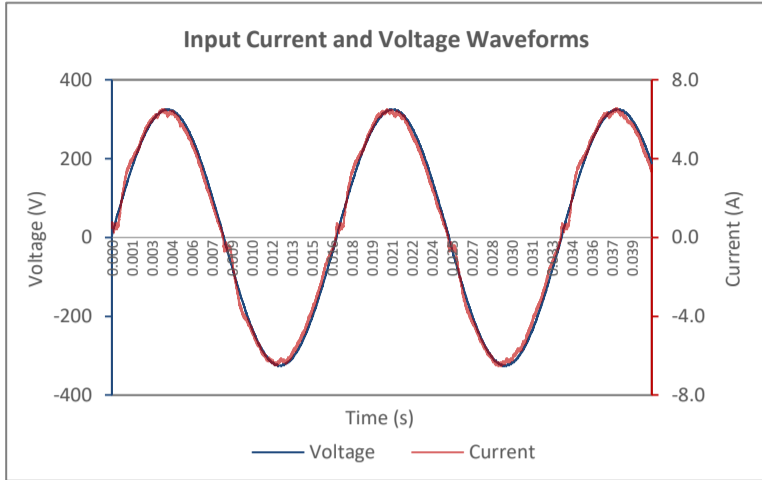


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.42%
AVERAGE EFFICIENCY :	94.78%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2344
Manufacturer	Netapp
Model Number	DCJ20002-12
Serial Number	PSQ0D8233900128
Year	2023
Type	1U
Test Date	11/13/23



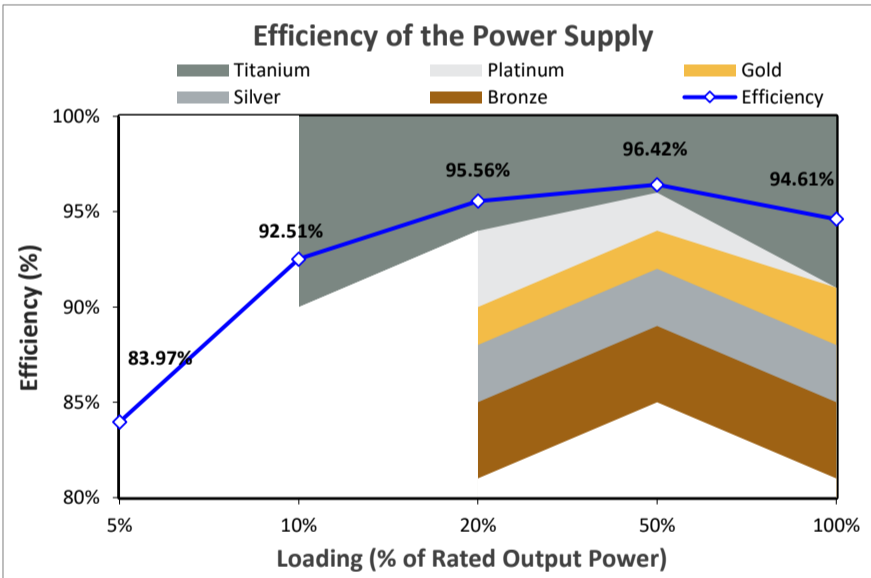
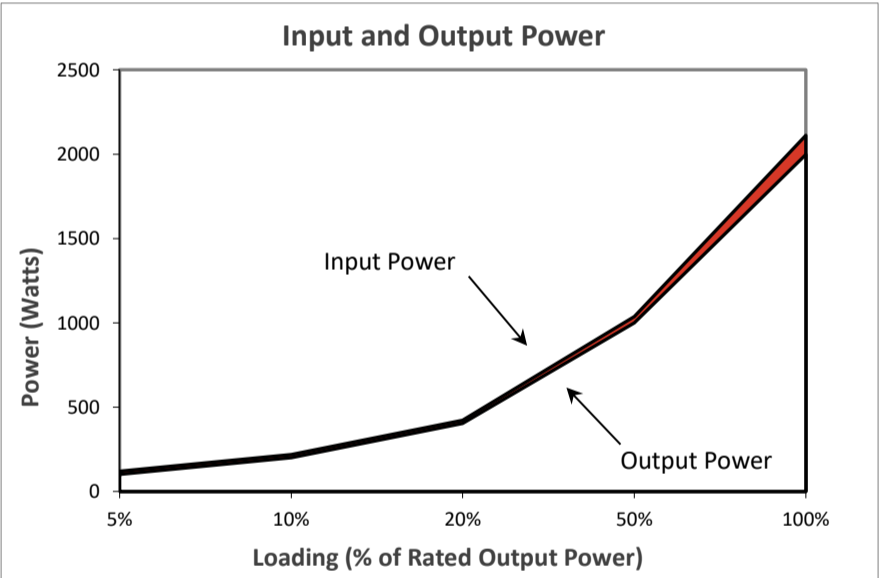
Input AC Current Waveform (ITHD = 4.39%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-10	Amps
Input Frequency	50/60	Hz
Rated Output Power	2,000	Watts

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

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
							12V	5Vsb		
0.340	0.2078	8.399	0%	No-Load	16.55	20.07	No-Load			
0.680	0.7694	19.741	5%	Minimum	120.31	19.98	12.1/8.27	5.01/0.2	101.02	83.97%
1.045	0.9058	11.497	10%	Low	217.73	19.97	12.09/16.5	5.01/0.4	201.43	92.51%
1.873	0.9771	6.807	20%	Light	421.02	19.94	12.07/33.01	5/0.8	402.32	95.56%
4.519	0.9979	4.389	50%	Typical	1036.78	19.87	12/82.5	4.99/2	999.62	96.42%
9.189	0.9987	4.245	100%	Full	2111.01	19.69	11.98/165.04	4.98/4	1997.32	94.61%

* Fan power is not included in the efficiency calculations, external fan voltage applied = 12Vdc



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/>