80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**94.67%**
AVERAGE EFFICIENCY :	**93.69%**
80 PLUS COMPLIANT:	**YES**

ID Number	SO-1538
Manufacturer	Artesyn Embedded Technologies
Model Number	CSU2000AP-3-100
Serial Number	N300W2000QEZZ
Year	2019
Type	1U
Test Date	05/15/19

Rated Specifications	Value	Units
Input Voltage	**100-127 / 200-240**	Volts
Input Current	**15/10**	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.

Input Current and Voltage Waveforms
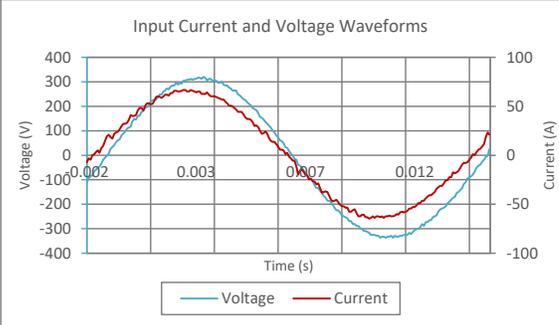
Input AC Current Waveform (ITHD = 2.43%, 50% Load)

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**		
1.01	0.96	8.58%	10%	**Low**	222	1.08	12.24/15.09	11.98/0.34	189	**84.95%**
1.90	0.99	6.10%	20%	**Light**	430	1.08	12.24/32.19	11.97/0.69	402	**93.60%**
4.61	1.00	2.43%	50%	**Typical**	1059	1.08	12.21/80.47	11.94/1.72	1003	**94.67%**
9.37	1.00	1.95%	100%	**Full**	2152	6.84	12.15/160.92	11.85/3.44	1997	**92.80%**

* Fan power is not included in the efficiency calculations

Input and Output Power

Efficiency of the Power Supply

PLUG LOAD solutions
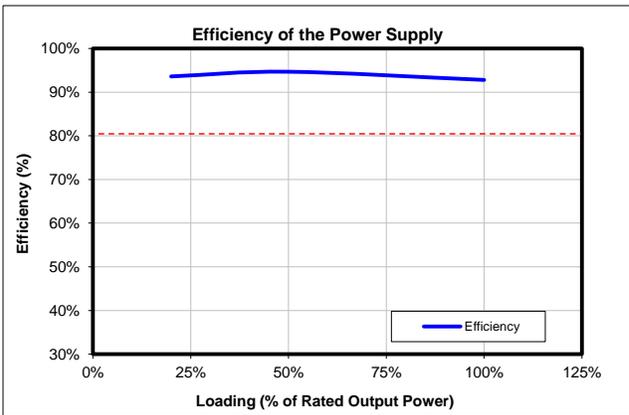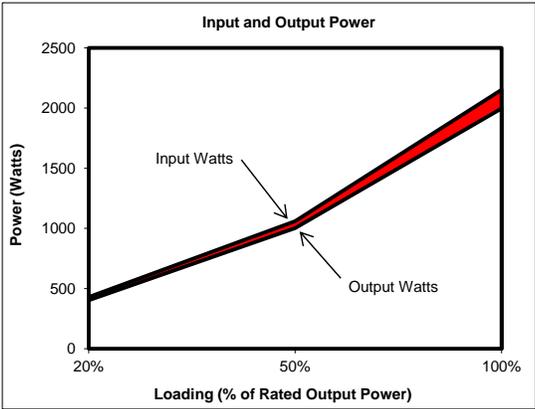
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. http://www.80plus.org/