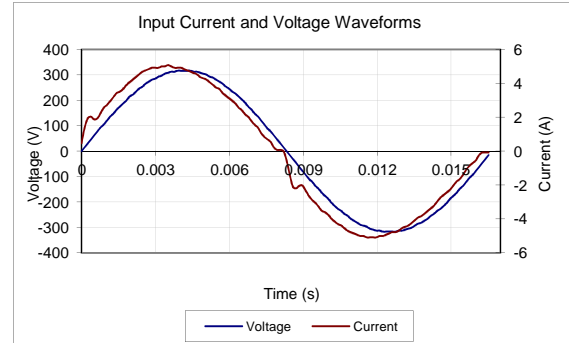


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.27%
AVERAGE EFFICIENCY :	93.34%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-751
Manufacturer	Artesyn Embedded Technologies
Model Number	DS1600SPE-3-XXX
Serial Number	K369NA0001BUZ
Year	2014
Type	1U
Test Date	05/21/14



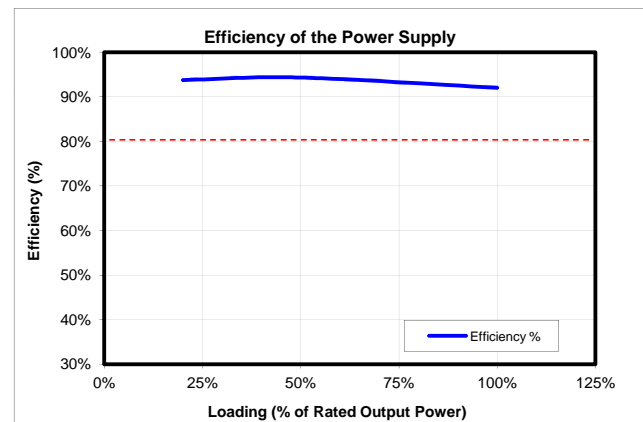
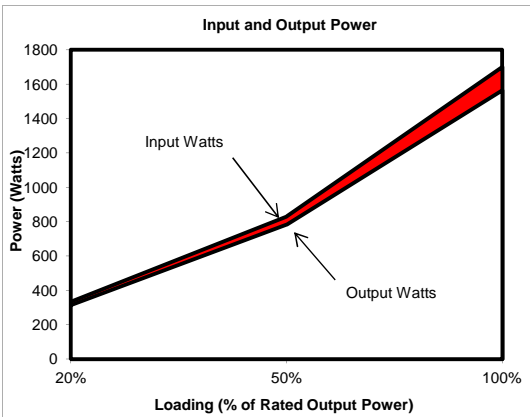
Rated Specifications	Value	Units
Input Voltage	100-140 / 200-240	Volts
Input Current	10.8	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,600	Watts

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

Input AC Current Waveform (ITHD = 5.68%, 50% Load)

I _{RMS} A	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		
0.87	0.87	24.42	10%	Low	173	3.24	11.93/12.81	11.91/0.33	157	90.34%
1.57	0.93	12.14	20%	Light	335	3.24	11.93/25.61	11.89/0.68	314	93.74%
3.68	0.98	5.68	50%	Typical	830	3.24	11.91/64.06	11.81/1.68	783	94.27%
7.42	1.00	2.78	100%	Full	1700	4.44	11.91/128.06	11.71/3.36	1564	92.01%

* 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/>

