

80 PLUS Verification and Testing Report

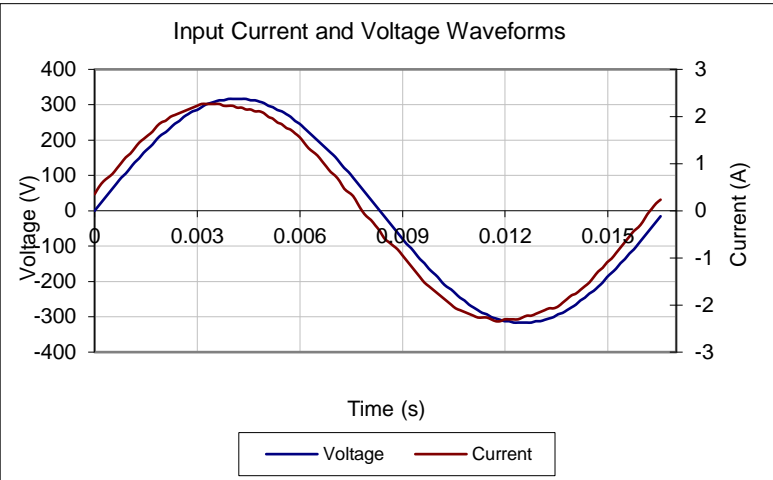
TYPICAL EFFICIENCY (50% Load):	94.38%
AVERAGE EFFICIENCY :	93.41%
80 PLUS COMPLIANT:	YES



ID Number	SO-1204.1
Manufacturer	Artesyn Embedded Technologies
Model Number	CSU800AP-3-001
Serial Number	N/A
Year	2016
Type	1U
Test Date	12/13/16

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	800	Watts

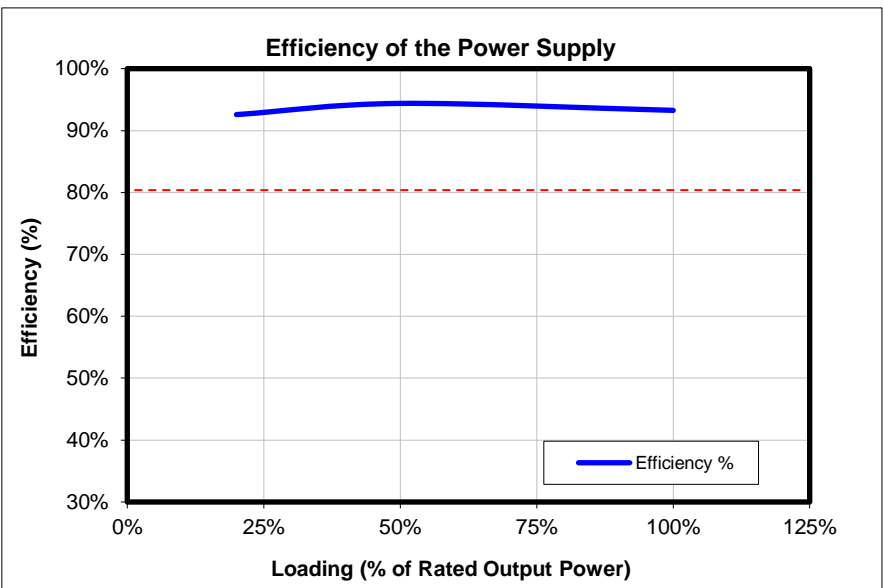
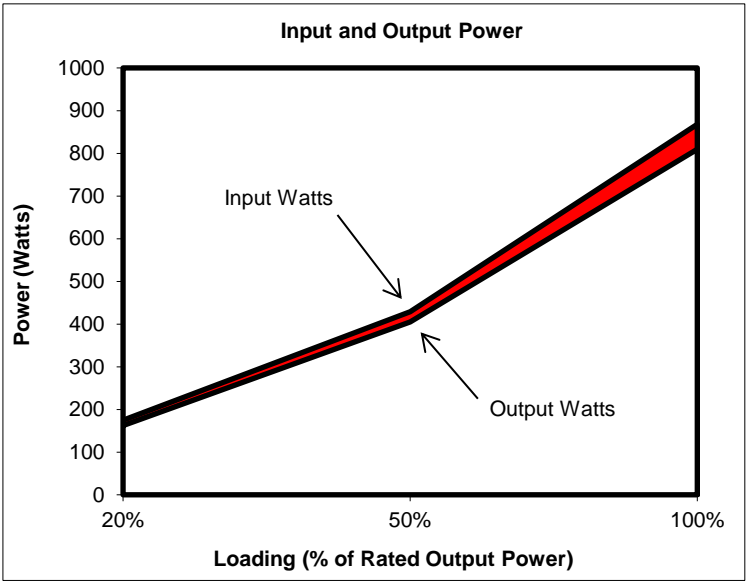
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 1.81%, 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 %
							12V	12Vsb		
0.46	0.87	15.99	10%	Low	91	5.88	12.11/6.4	12.04/0.29	81	88.68%
0.79	0.96	8.97	20%	Light	175	5.88	12.11/12.82	12.04/0.58	162	92.58%
1.88	0.99	1.81	50%	Typical	429	5.88	12.11/32	12.02/1.44	405	94.38%
3.78	1.00	1.59	100%	Full	868	5.88	12.11/64.02	11.98/2.88	810	93.26%

* 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/>

