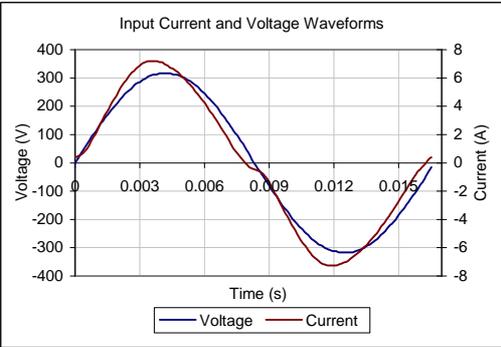


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.30%
AVERAGE EFFICIENCY :	90.90%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-79
Manufacturer	EMACS
Model Number	PSS-2A00V
Serial Number	R93200001
Year	2009
Type	1U
Test Date	10/2/2009



Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	14-7	Amps
Input Frequency	47-63	Hz
Rated Output Power	1,000	Watts

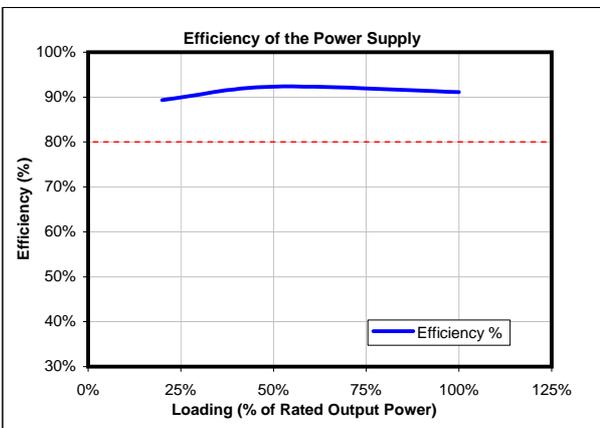
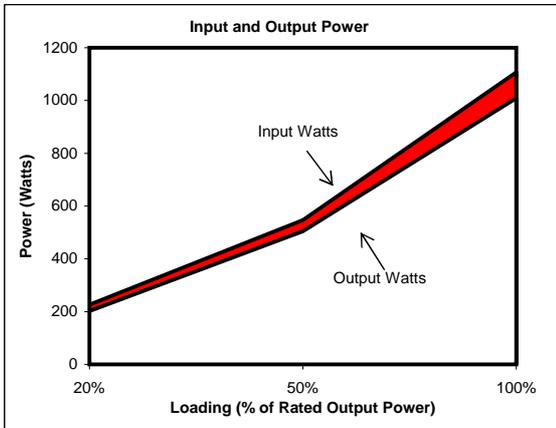
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 10.99%, 100% 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	5Vsb			
0.56	0.94	9.66	*10%	Low	121	5.73	12.09/8.22	5.24/0.33		101	83.68%
1.01	0.98	8.93	20%	Light	226	5.73	12.09/16.44	5.24/0.59		202	89.31%
2.41	0.99	11.39	50%	Typical	547	5.73	12.09/41.08	5.22/1.48		504	92.30%
4.86	0.99	10.99	100%	Full	1107	5.73	12.09/82.13	5.18/2.98		1009	91.09%

* 10% load results are for informative purposes only and not included in certification requirements.

** 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/>

