

80 PLUS Verification and Testing Report

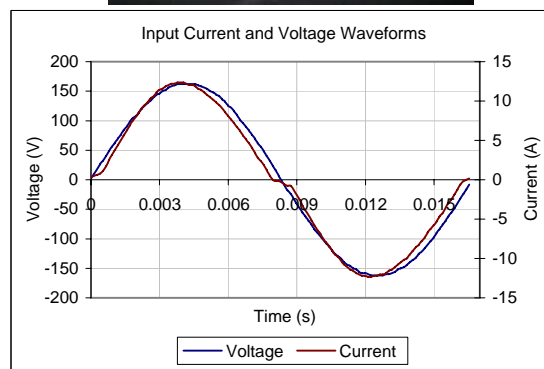
TYPICAL EFFICIENCY (50% Load): 85.72%
AVERAGE EFFICIENCY : 83.23%
80 PLUS COMPLIANT: YES



Ecos ID #	746
Manufacturer	EMACS
Model Number	P2M-5800V
Serial Number	T75001110
Year	2008
Type	EPS2U
Test Date	6/5/2008

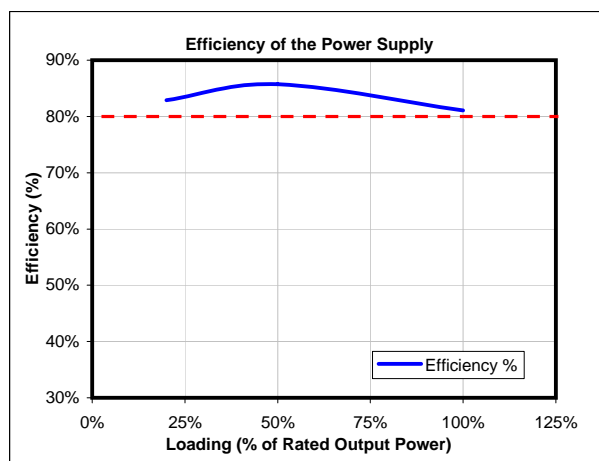
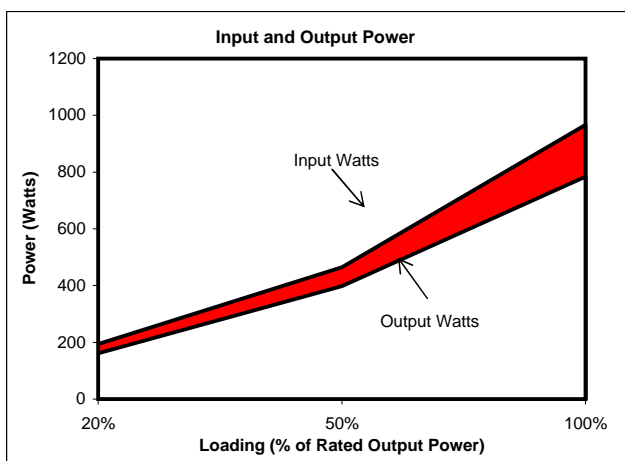
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	47-63	Hz
Rated Output Power	800	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 12.45%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
1.71	0.99	15.5%	20%	Light	194	12.1/10.6	12.1/0.1	3.3/3.5	5/3.5	5.1/0.5	161	82.90%
4.07	0.99	12.5%	50%	Typical	464	12/26.5	12.2/0.3	3.2/8.7	4.9/8.7	5/1.3	398	85.72%
8.44	1.00	8.5%	100%	Full	967	11.9/52.9	12.3/0.7	3.1/17.3	4.8/17.4	4.9/2.6	784	81.06%



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/>

