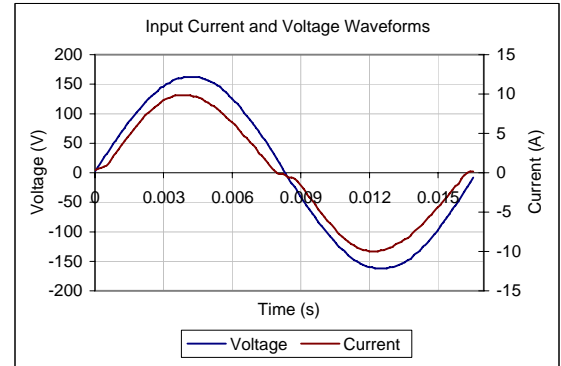


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	86.83%
AVERAGE EFFICIENCY :	84.56%
80 PLUS COMPLIANT:	YES

Ecos ID #	573
Manufacturer	EMACS
Model Number	PSM-5660V
Serial Number	T80400002
Year	2008
Type	ATX12V/EPS12V
Test Date	4/18/2008

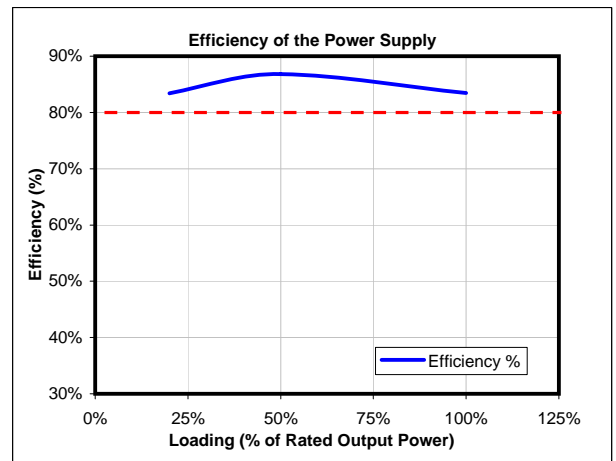
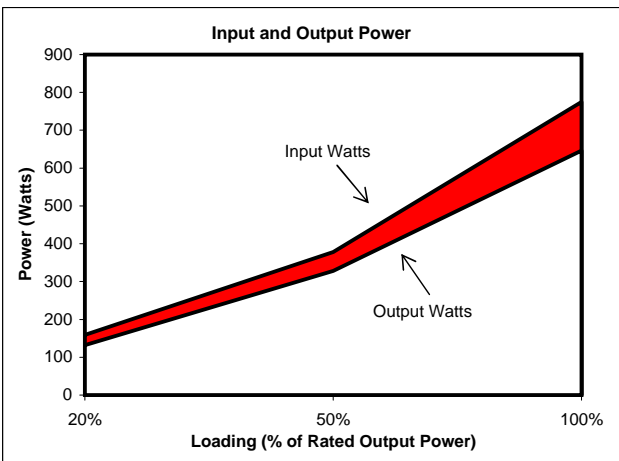


Input AC Current Waveform (ITHD = 13.52%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	660	Watts

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

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
1.39	0.99	9.7%	20%	Light	159	12/8.3	12.1/0.1	3.3/3.3	5.1/3.3	5.1/0.6	132	83.39%
3.32	0.99	13.5%	50%	Typical	378	11.9/20.9	12.1/0.3	3.3/8.3	5/8.3	5/1.5	328	86.83%
6.77	0.99	9.6%	100%	Full	775	11.8/41.7	12.2/0.7	3.2/16.5	4.8/16.6	4.9/2.9	646	83.46%



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/>

