

80 PLUS Verification and Testing Report

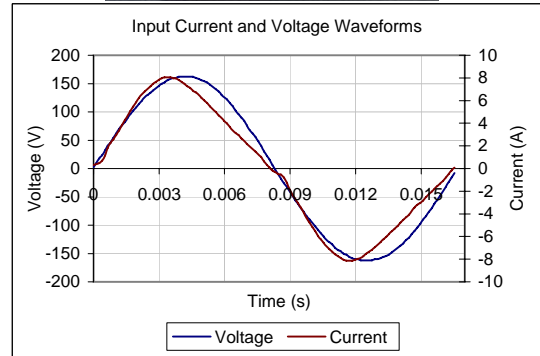


TYPICAL EFFICIENCY (50% Load):	85.49%
AVERAGE EFFICIENCY :	84.93%
80 PLUS COMPLIANT:	YES

Ecos ID #	1242
Manufacturer	SEASONIC
Model Number	M12II-500Bronze
Serial Number	N/A
Year	2009
Type	ATX12V & EPS12V
Test Date	1/10/2009

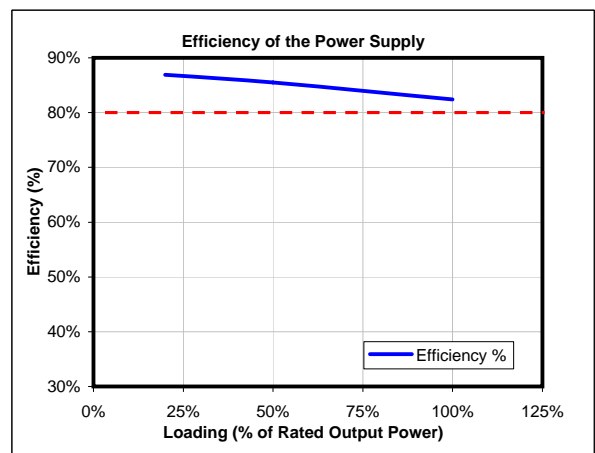
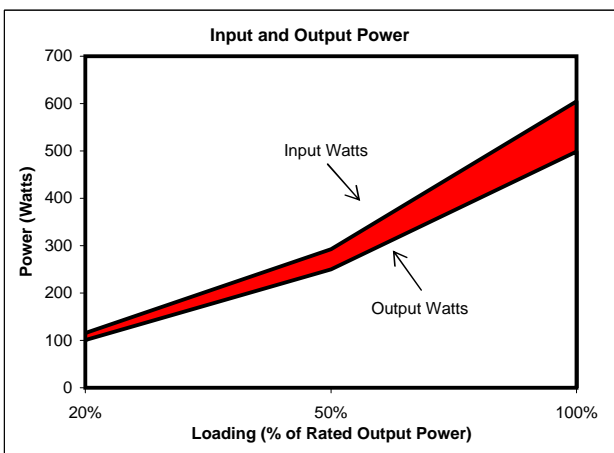
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 13.88%, 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		
1.06	0.97	17.6%	20%	Light	115	12.1/6.1	11.3/0.1	3.3/2.7	5/2.7	5/0.4	100	86.89%
2.59	0.98	13.9%	50%	Typical	292	12/15.3	11.3/0.3	3.3/6.8	4.9/6.8	5/1.1	250	85.49%
5.34	0.98	11.9%	100%	Full	605	12/30.6	11.4/0.7	3.2/13.6	4.9/13.6	4.9/2.2	498	82.41%



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/>

