

80 PLUS Verification and Testing Report

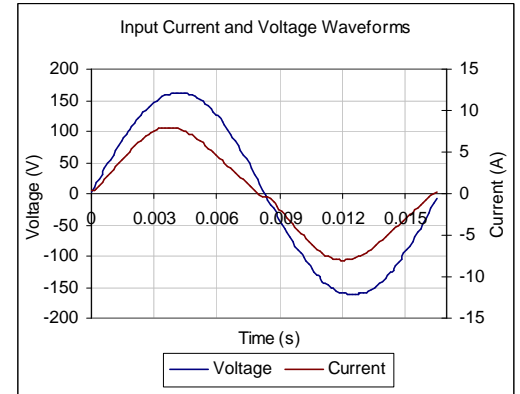
TYPICAL EFFICIENCY (50% Load):	84.55%
AVERAGE EFFICIENCY :	82.94%
80 PLUS COMPLIANT:	YES



Ecos ID #	125
Manufacturer	CoolerMaster
Model Number	RS-500-ASAA
Serial Number	5PC370609000019S3
Year	2006
Type	ATX12V
Test Date	12/6/2006

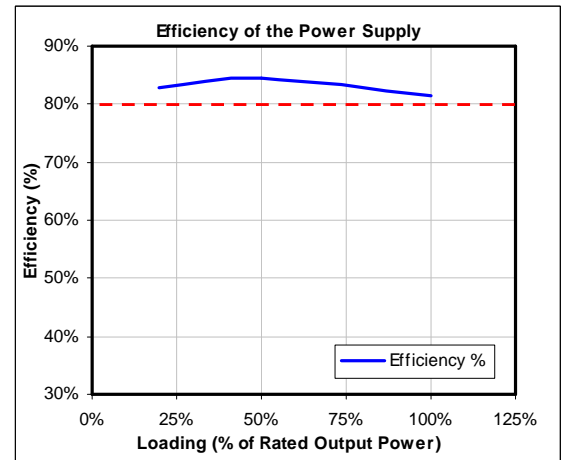
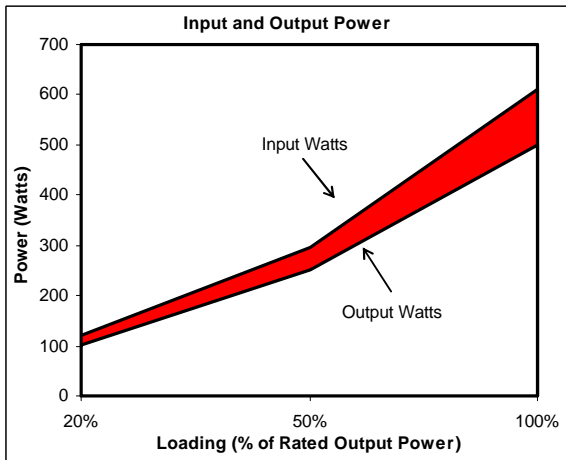
Rated Specifications	Value	Units
Input Voltage	115 - 230	Volts
Input Current	10 - 5	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 9.85%, 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 %
						12V1	12V2	12V3	-12V	3.3V	5V*	5VSB		
1.09	0.97	16.5%	20%	Light	122	12.1/2.5	12.1/2.3	12.0/1.1	12/0.1	3.3/3.6	5/2.7	5/0.5	101	82.75%
2.60	0.99	9.9%	50%	Typical	296	12.1/6.3	12.1/5.8	12.1/2.7	12/0.2	3.3/9	4.9/6.7	5/1.3	250	84.55%
5.36	0.99	9.4%	100%	Full	612	12.1/12.5	12.1/11.6	12.1/5.4	12/0.5	3.2/17.9	4.8/13.4	4.9/2.7	499	81.51%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by EPRI Solutions Inc., Knoxville, TN.