

80 PLUS Verification and Testing Report

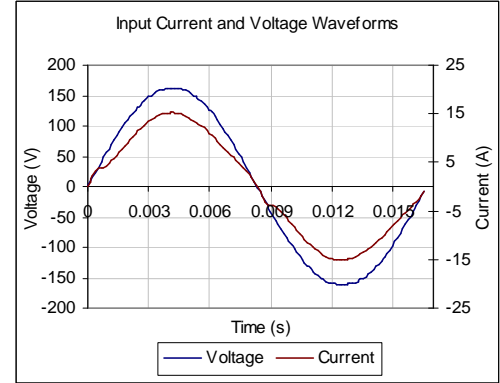
TYPICAL EFFICIENCY (50% Load):	85.28%
AVERAGE EFFICIENCY :	83.11%
80 PLUS COMPLIANT:	YES



Ecos ID #	164
Manufacturer	Cooler Master
Model Number	RS-A00-EMBA
Serial Number	64800002
Year	2006
Type	ATX12V
Test Date	2/5/2007

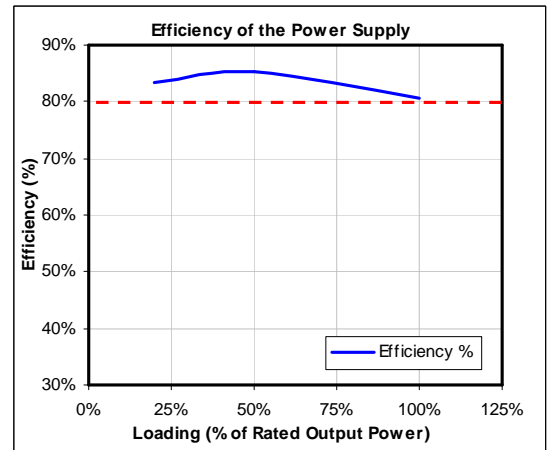
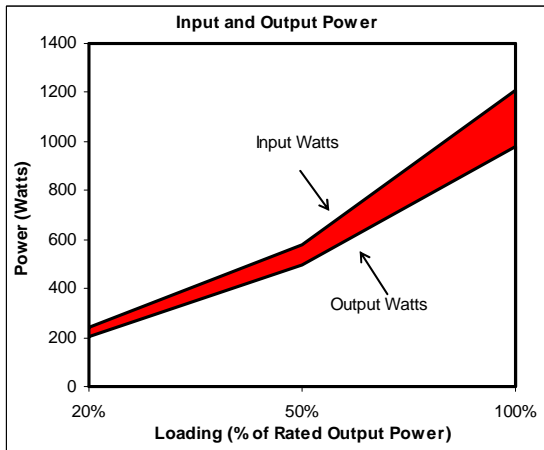
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	12/6.3	Amps
Input Frequency	60/50	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 6.09%, 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	12V4	12V5	12V6	-12V	3.3V	5V*	5VSB			
2.14	0.98	7.6%	20%	Light	241	12.0/2.4	12.0/2.4	12.0/2.4	12.0/2.4	12.0/2.4	12.0/2.4	11.9/0.1	3.3/2.7	5.1/3.3	5/0.4	201	83.33%	
5.07	1.00	6.1%	50%	Typical	582	11.9/6.0	11.9/6.0	11.9/6.0	11.9/6.0	11.9/6.0	11.9/6.0	11.9/0.2	3.3/6.8	5/8.2	5/0.9	496	85.28%	
10.55	1.00	5.2%	100%	Full	1212	11.7/11.9	11.7/11.9	11.7/11.9	11.7/11.9	11.7/11.9	11.7/11.9	12.1/0.4	3.2/13.6	5/16.3	4.9/1.8	978	80.72%	



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 Electric Power Research Institute, Knoxville, TN.