

80 PLUS Verification and Testing Report

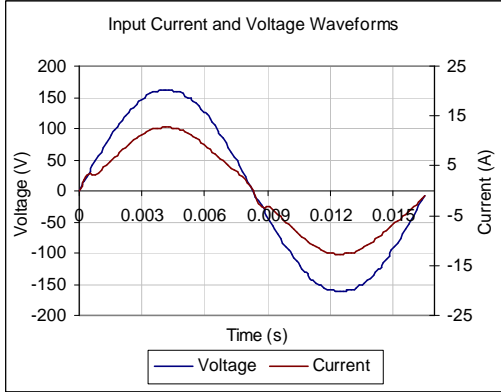
TYPICAL EFFICIENCY (50% Load):	84.45%
AVERAGE EFFICIENCY :	82.39%
80 PLUS COMPLIANT:	YES



Ecos ID #	147
Manufacturer	Cooler Master
Model Number	RS-850-EMBA
Serial Number	64800001
Year	2006
Type	ATX12V
Test Date	1/3/2007

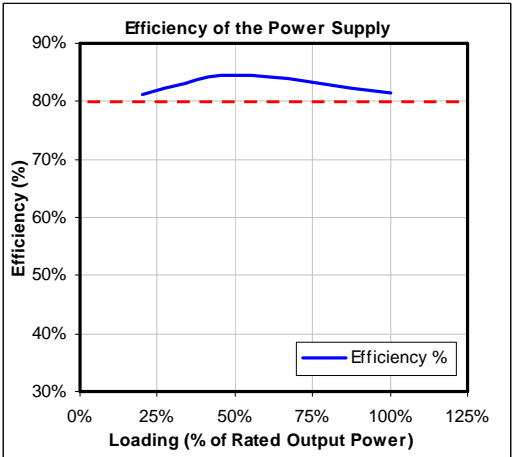
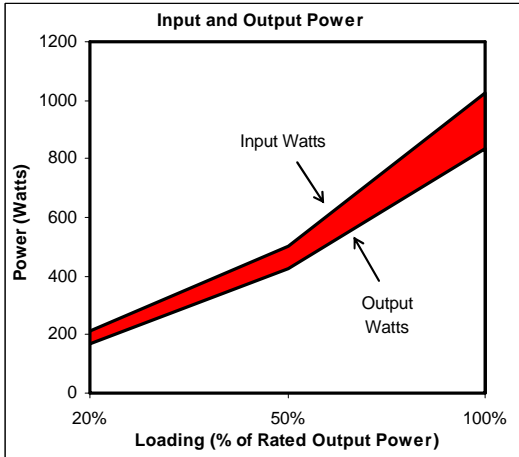
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	12/6.3	Amps
Input Frequency	60/50	Hz
Rated Output Power	850	Watts

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		
1.87	0.98	10.4%	20%	Light	211	12.1/1.8	12.1/1.8	12.1/1.8	12.1/1.8	12.1/1.8	12.0/1.8	11.9/0.1	3.3/3.7	5.1/4.5	5/0.5	171	81.18%
4.38	1.00	6.1%	50%	Typical	502	12.1/4.6	12.1/4.6	12.1/4.6	12.1/4.6	12.0/4.6	12.0/4.6	11.9/0.3	3.2/9.4	5/11.2	5/1.2	424	84.45%
8.94	1.00	5.1%	100%	Full	1026	11.9/9.1	11.9/9.1	11.9/9.1	11.9/9.1	11.9/9.1	11.9/9.1	12.1/0.6	3.1/18.7	4.9/22.4	4.9/2.5	836	81.54%



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.