

80 PLUS Verification and Testing Report

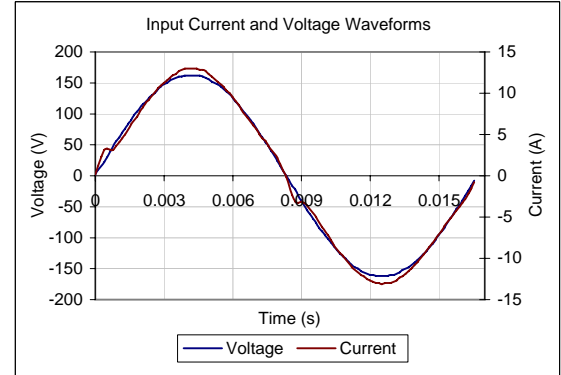


TYPICAL EFFICIENCY (50% Load):	86.00%
AVERAGE EFFICIENCY :	83.75%
80 PLUS COMPLIANT:	YES

Ecos ID #	266
Manufacturer	COOLERMMASTER
Model Number	RS_850_ESBA
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	6/20/2007

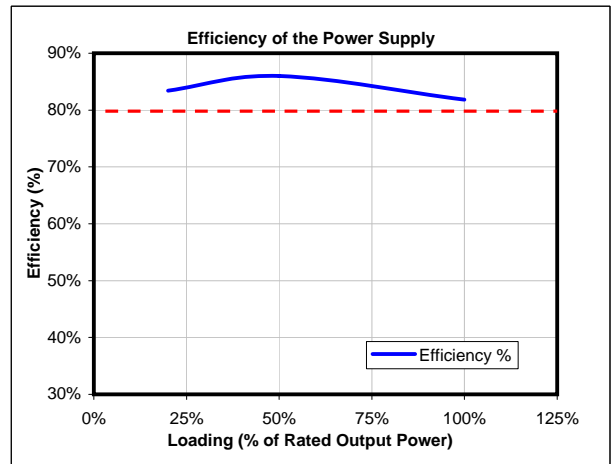
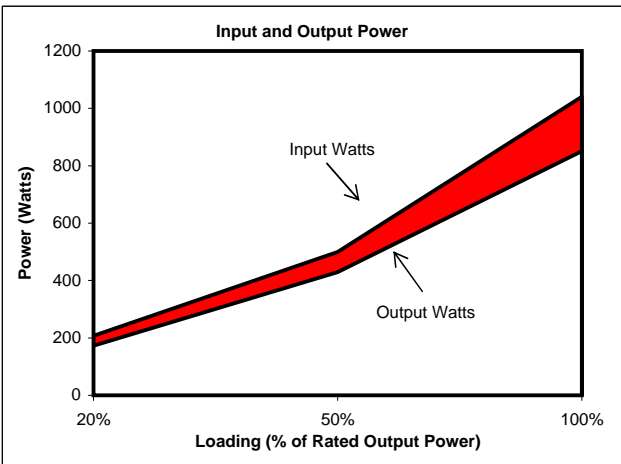
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	60-50	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 5.38%, 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		
1.83	0.99	8.4%	20%	Light	208	12.2/11.1	11.8/0.1	3.3/3.5	5.1/4.2	5/0.6	173	83.39%
4.36	1.00	5.4%	50%	Typical	500	12.1/27.6	11.9/0.3	3.3/8.8	5/10.6	5/1.5	430	86.00%
9.06	1.00	5.3%	100%	Full	1040	12/55.3	11.9/0.7	3.2/17.1	5/21.2	4.9/3	851	81.86%



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.