

80 PLUS Verification and Testing Report

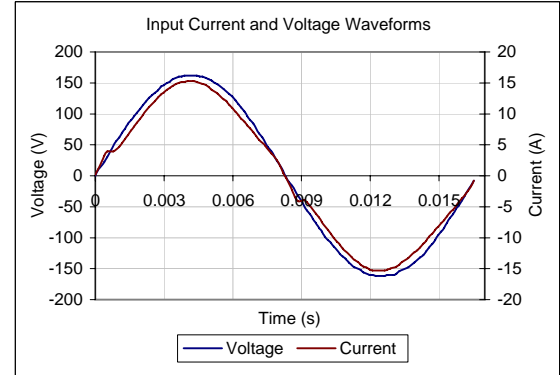


TYPICAL EFFICIENCY (50% Load):	86.29%
AVERAGE EFFICIENCY :	84.20%
80 PLUS COMPLIANT:	YES

Ecos ID #	267
Manufacturer	COOLERMASTER
Model Number	RS_A00_ESBA
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	6/20/2007

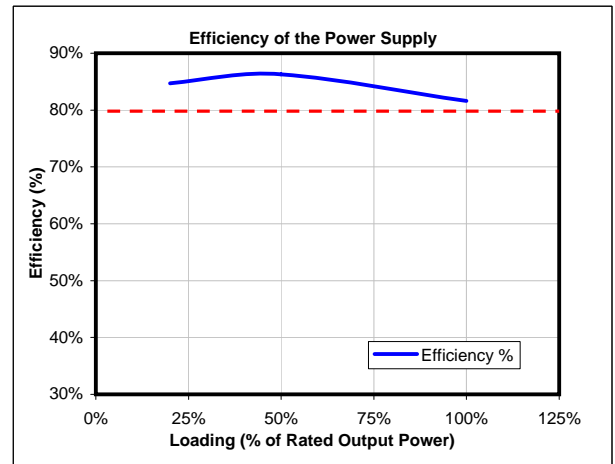
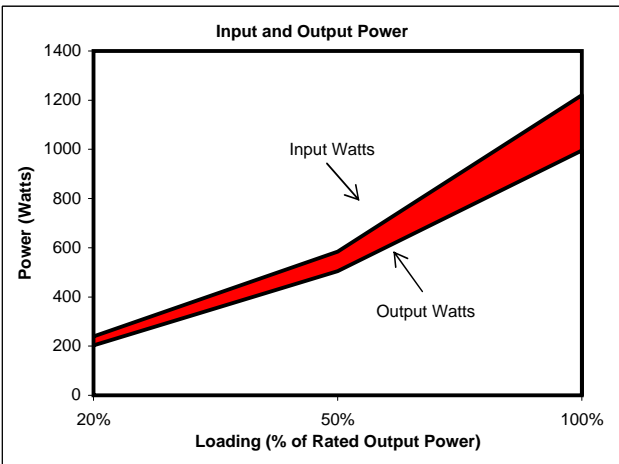
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	15	Amps
Input Frequency	60-50	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 5.33%, 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		
2.15	0.97	9.4%	20%	Light	240	12.2/13	11.9/0.1	3.3/4.9	5.1/4.9	5/0.6	203	84.71%
5.10	1.00	5.3%	50%	Typical	585	12.1/32.4	11.9/0.3	3.3/12.1	5.1/12.2	5/1.4	504	86.29%
10.62	1.00	5.1%	100%	Full	1221	12/64.8	12/0.6	3.2/24.1	5/24.3	4.9/2.8	996	81.59%



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.