

80 PLUS Verification and Testing Report

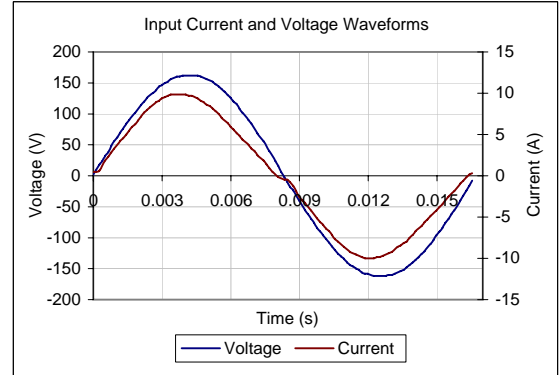


TYPICAL EFFICIENCY (50% Load):	84.62%
AVERAGE EFFICIENCY :	82.86%
80 PLUS COMPLIANT:	YES

Ecos ID #	264
Manufacturer	COOLERMASTER
Model Number	RS_620_ASAA_A1
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	6/20/2007

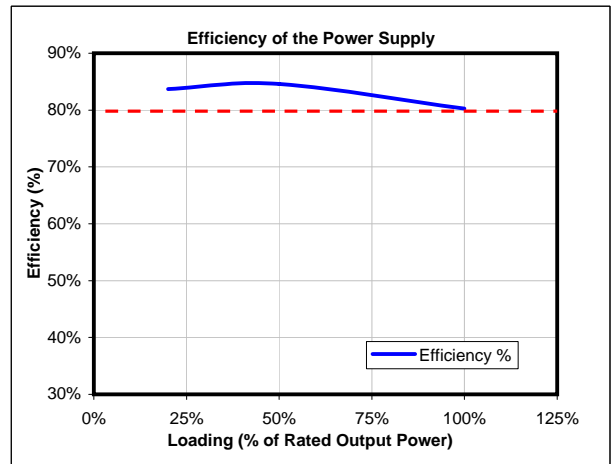
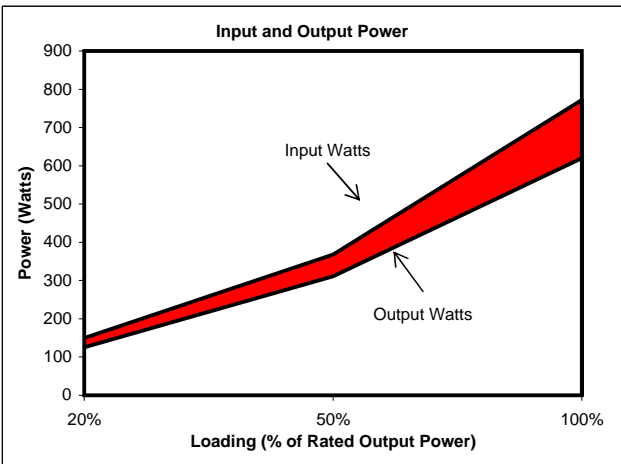
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	10	Amps
Input Frequency	60/50	Hz
Rated Output Power	620	Watts

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



Input AC Current Waveform (ITHD = 11.62%, 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		
1.33	0.98	16.0%	20%	Light	150	12.1/7.3	11.9/0.1	3.3/3.9	5/3.9	5/0.6	125	83.68%
3.23	0.99	11.6%	50%	Typical	368	12.1/18.2	11.9/0.3	3.3/9.7	4.9/9.7	4.9/1.5	311	84.62%
6.76	0.99	8.2%	100%	Full	772	12.1/36.4	12/0.7	3.2/19.3	5/19.4	4.8/3	620	80.28%



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.