

80 PLUS Verification and Testing Report

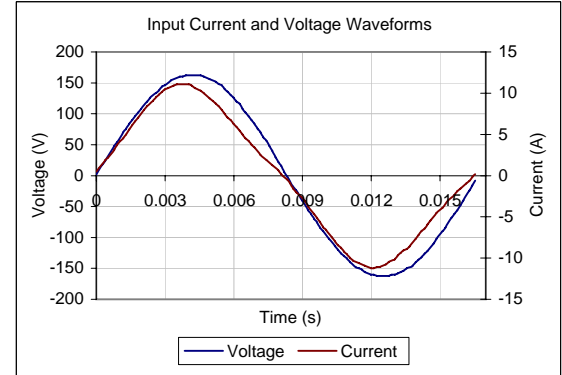
TYPICAL EFFICIENCY (50% Load):	86.17%
AVERAGE EFFICIENCY :	84.78%
80 PLUS COMPLIANT:	YES



Ecos ID #	265
Manufacturer	COOLERMASTER
Model Number	RS_700_ASAA_A1
Serial Number	NA
Year	2007
Type	ATX12V
Test Date	6/21/2007

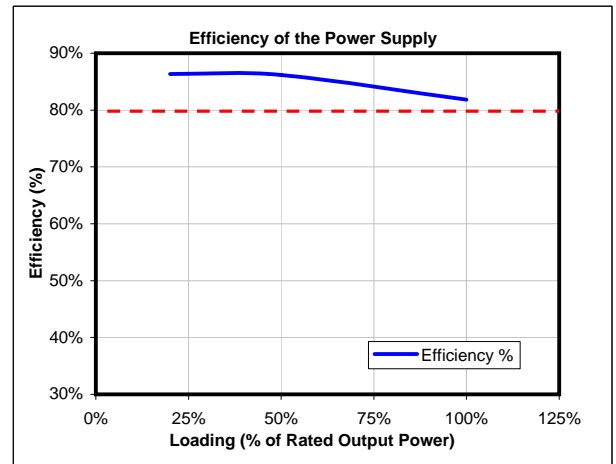
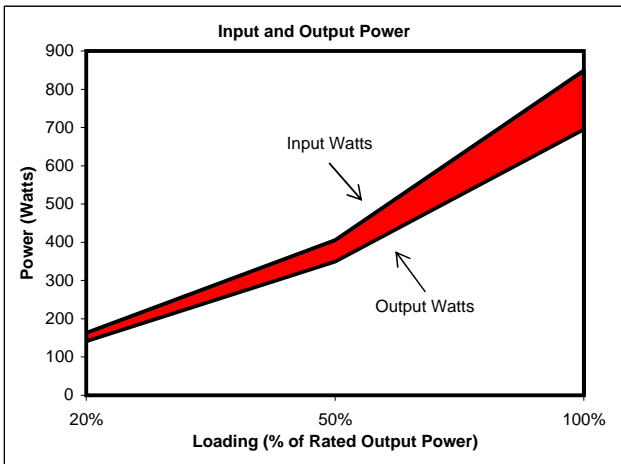
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	10	Amps
Input Frequency	60/50	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 12.25%, 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		
1.45	0.98	10.0%	20%	Light	163	12.1/8.7	12/0.1	3.3/3.8	5.1/3.8	5.1/0.6	141	86.35%
3.58	0.98	12.3%	50%	Typical	406	12/21.6	12/0.3	3.3/9.5	5/9.5	5/1.5	350	86.17%
7.45	0.99	9.1%	100%	Full	849	11.9/43.3	12/0.7	3.2/19	4.9/19.1	4.8/2.9	695	81.83%



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.