

80 PLUS Verification and Testing Report

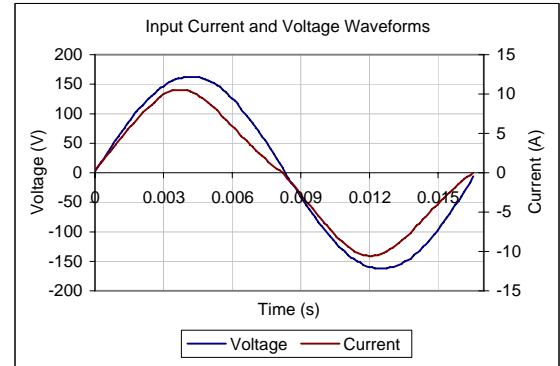


TYPICAL EFFICIENCY (50% Load):	88.69%
AVERAGE EFFICIENCY :	87.06%
80 PLUS COMPLIANT:	YES

Ecos ID #	803
Manufacturer	COOLER MASTER
Model Number	RS-700-AAAA-A3
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	7/3/2008

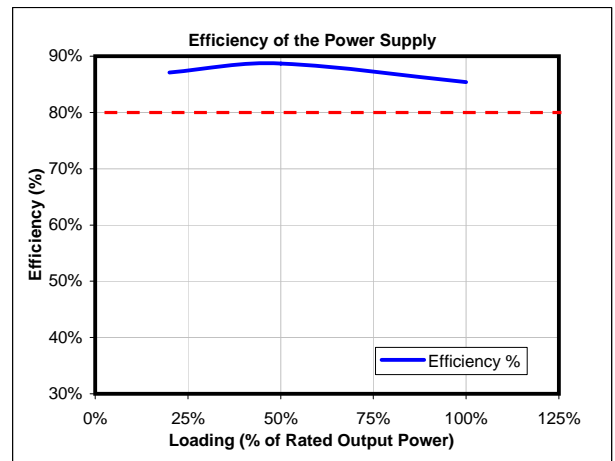
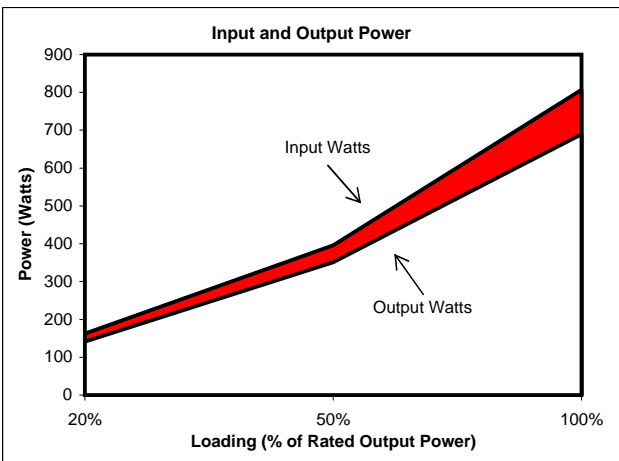
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 10.13%, 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
1.44	0.98	11.1%	20%	Light	163	12.1/9.4	12.1/0.1	3.3/2.9	5.1/2.9	5/0.5	142	87.09%
3.50	0.98	10.1%	50%	Typical	396	12/23.5	12.2/0.2	3.3/7.2	5/7.2	5/1.3	351	88.69%
7.09	0.99	8.7%	100%	Full	807	11.9/46.9	12.3/0.4	3.1/14.3	4.8/14.4	4.8/2.7	689	85.39%



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.

