

80 PLUS Verification and Testing Report

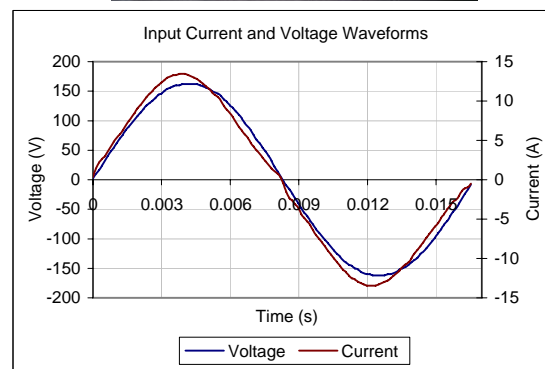
TYPICAL EFFICIENCY (50% Load): 88.14%
AVERAGE EFFICIENCY : 86.52%
80 PLUS COMPLIANT: YES



Ecos ID #	682
Manufacturer	COOLER MASTER
Model Number	RS-900-AAAA-A3
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	5/19/2008

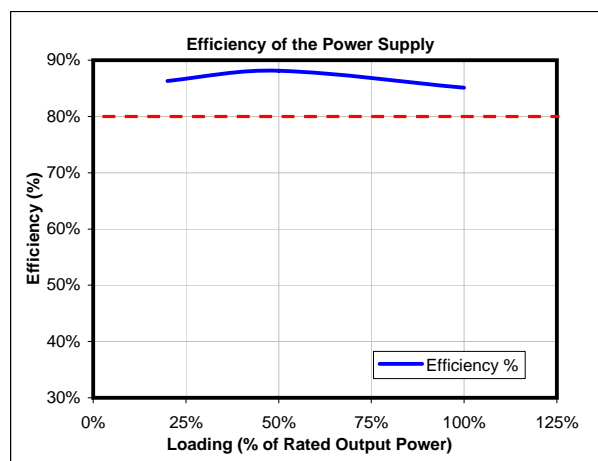
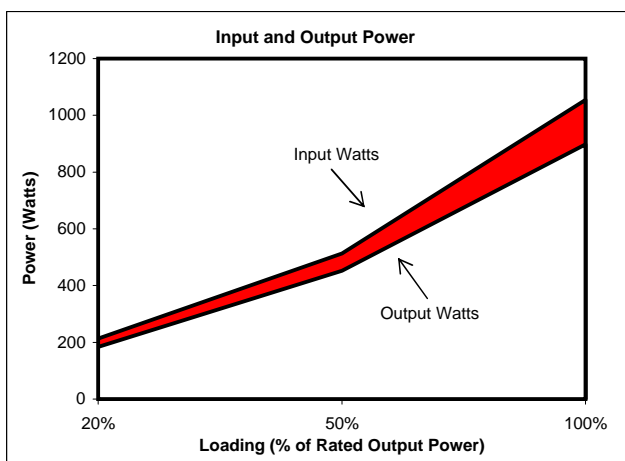
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	900	Watts

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



Input AC Current Waveform (ITHD = 5.97%, 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
1.87	0.99	8.0%	20%	Light	213	12.2/12.3		12.1/0.1	3.3/3.4	5/3.4	5/0.7	184	86.32%
4.51	0.99	6.0%	50%	Typical	513	12.1/30.7		0/0.2	3.3/8.6	5/8.6	5/1.7	452	88.14%
9.21	1.00	5.7%	100%	Full	1055	12/61.3		12.3/0.4	3.2/17.1	4.9/17.2	4.9/3.5	898	85.10%



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.

