

80 PLUS Verification and Testing Report

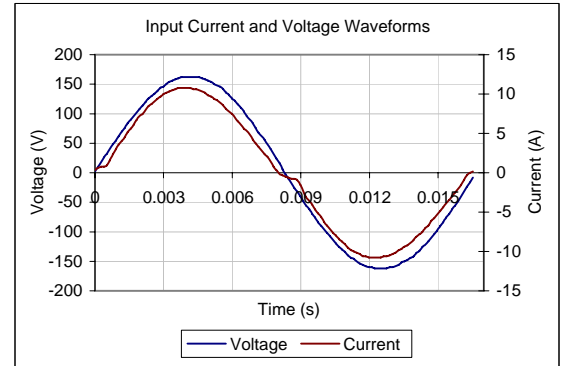


TYPICAL EFFICIENCY (50% Load):	85.30%
AVERAGE EFFICIENCY :	83.61%
80 PLUS COMPLIANT:	YES

Ecos ID #	679
Manufacturer	COOLER MASTER
Model Number	RS-700-AMBA-D3
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	5/16/2008

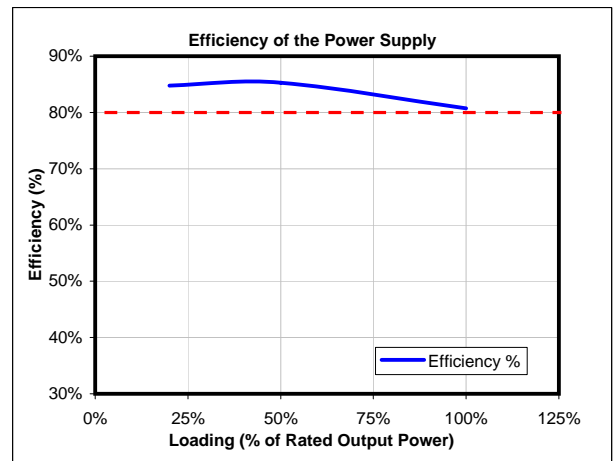
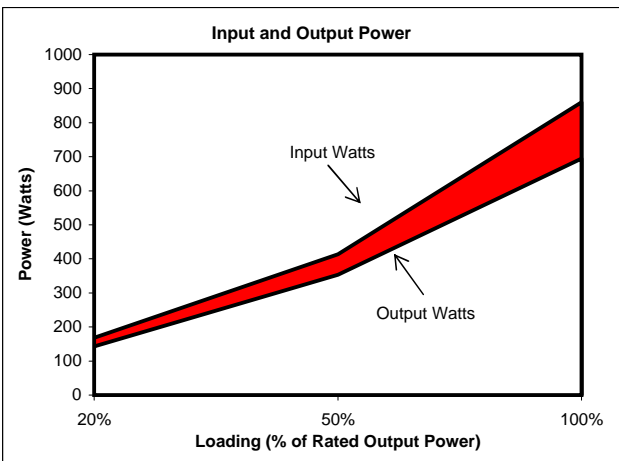
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 9.9%, 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
1.51	0.97	24.3%	20%	Light	168	12.3/9	11.9/0.1	3.3/3.8	5/3.4	5/0.5	143	84.79%
3.62	0.99	9.9%	50%	Typical	414	12.2/22.4	12/0.2	3.2/9.5	4.9/8.4	4.9/1.1	353	85.30%
7.50	1.00	7.2%	100%	Full	860	12.1/44.7	12.1/0.4	3.1/18.8	4.8/16.9	4.8/2.2	695	80.76%



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.