

80 PLUS Verification and Testing Report

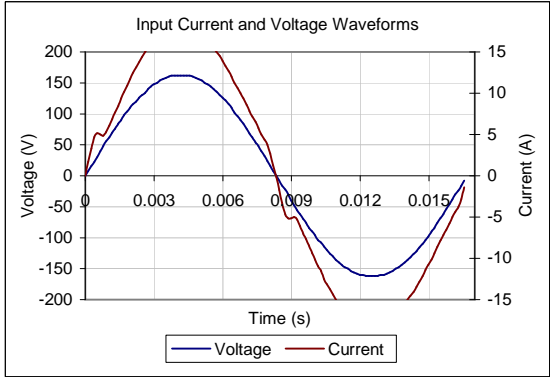
TYPICAL EFFICIENCY (50% Load):	85.93%
AVERAGE EFFICIENCY :	84.10%
80 PLUS COMPLIANT:	YES



Ecos ID #	384
Manufacturer	COOLER MASTER
Model Number	RS-C50-EMBA-D2
Serial Number	NA
Year	2007
Type	EPS12V
Test Date	10/2/2007

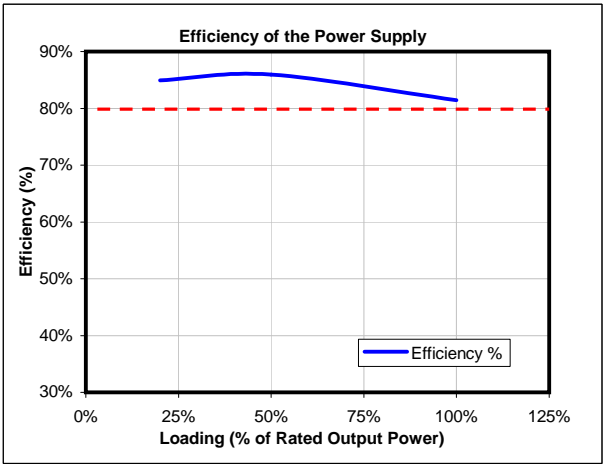
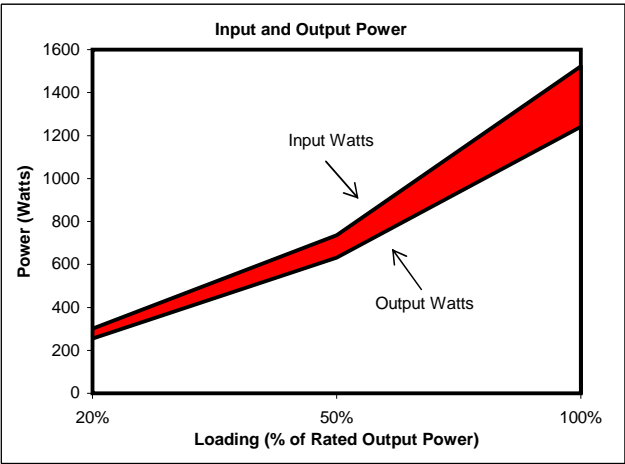
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	19	Amps
Input Frequency	50-60	Hz
Rated Output Power	1250	Watts

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



Input AC Current Waveform (ITHD = 5.7%, 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		
2.68	0.98	10.3%	20%	Light	300	12.2/16.6	11.9/0.2	3.3/5.3	5/5.3	5.1/1.2	255	84.91%
6.41	1.00	5.7%	50%	Typical	735	12.2/41.3	11.9/0.4	3.3/13.2	5/13.2	5/3	632	85.93%
13.26	1.00	4.4%	100%	Full	1523	12/82.7	11.6/0.8	3.2/26.3	4.9/26.5	4.8/6	1240	81.46%



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.