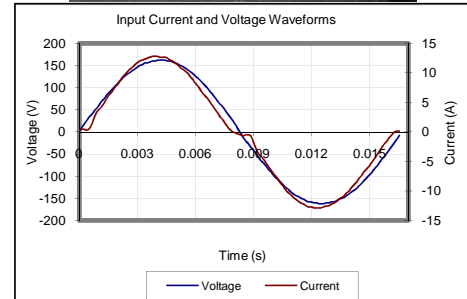


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.50%
AVERAGE EFFICIENCY :	84.91%
80 PLUS COMPLIANT:	YES



Ecos ID #	1569
Manufacturer	COOLER MASTER
Model Number	RS-850-AMBA-J3
Serial Number	N/A
Year	2009
Type	EPS12V
Test Date	7/29/2009

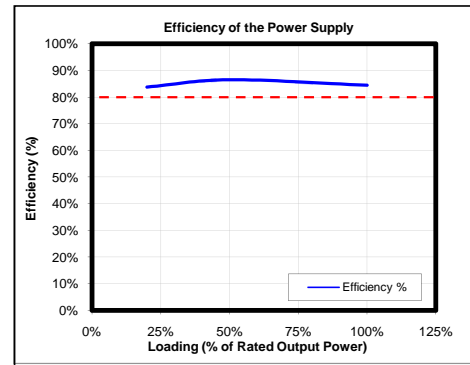
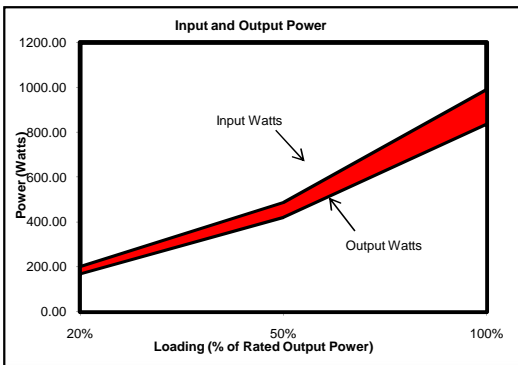


Input AC Current Waveform (ITHD = 18.12%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	12-6	Amps
Input Frequency	60-50	Hz
<b>Rated Output Power</b>	<b>850</b>	<b>Watts</b>

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

RMS A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V) / DC Load Current (A)				Output Watts	Efficiency %	
						12V (cumulative of 12V1, 12V2, etc.)						
1.85	0.9515	29.68%	20%	Light	202.40	11.8/11.6	11.9/0	3.4/3.5	5.1/3.4	5.1/0.5	169.54	83.77%
4.32	0.9805	18.12%	50%	Typical	487.90	11.8/28.9	11.9/0.1	3.4/8.6	5.1/8.6	5/1.3	422.01	86.50%
8.69	0.9924	11.07%	100%	Full	992.00	11.8/57.6	12/0.3	3.4/17.2	5/17.3	5/2.6	837.80	84.46%



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.