

80 PLUS Verification and Testing Report

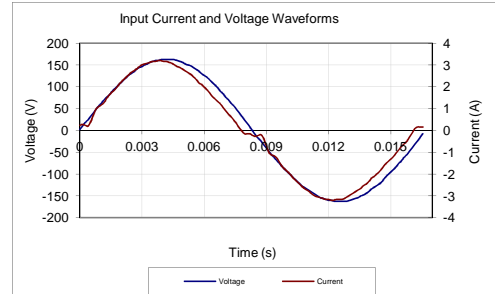
TYPICAL EFFICIENCY (50% Load):	90.22%
AVERAGE EFFICIENCY :	88.78%
80 PLUS COMPLIANT:	YES



Ecos ID #	3742
Manufacturer	Corsair
Model Number	75-010603 (CP-9020066) (RM450)
Serial Number	13287148000011670113
Year	2013
Type	ATX12V
Test Date	10/8/13

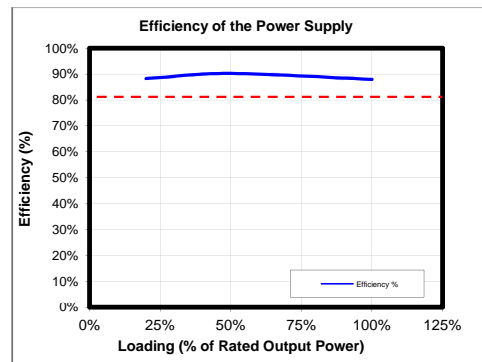
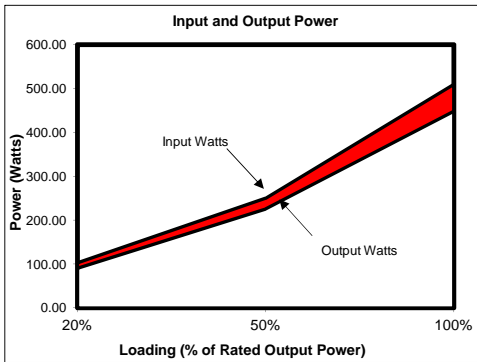
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 9.35%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
0.50	0.95	23.48%	10%	54.80	12.1/2.9	11.5/0.1	3.3/1.1	5/1	5.1/0.2	45.45	82.93%
0.92	0.98	14.77%	20%	102.87	12.1/5.8	11.5/0.1	3.3/2.1	5/2	5/0.5	90.76	88.23%
2.19	0.99	9.35%	50%	250.30	12.1/14.5	11.5/0.3	3.3/5.4	4.9/4.9	5/1.2	225.81	90.22%
4.46	1.00	7.29%	100%	510.00	12/28.9	11.5/0.6	3.3/10.7	4.8/9.8	4.9/2.3	448.35	87.91%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

