

80 PLUS Verification and Testing Report

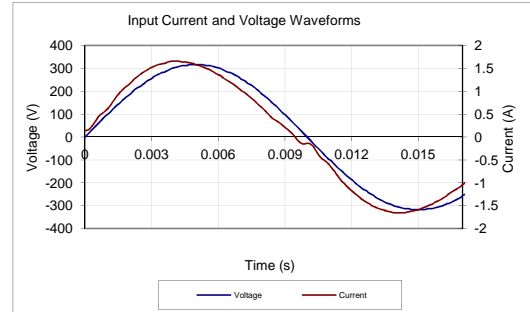
TYPICAL EFFICIENCY (50% Load):	86.15%
AVERAGE EFFICIENCY :	84.52%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-024
Manufacturer	Corsair
Model Number	75-001835 (CP-9020096) (VS450)
Serial Number	G140540000075
Year	2014
Type	ATX12V
Test Date	6/12/14

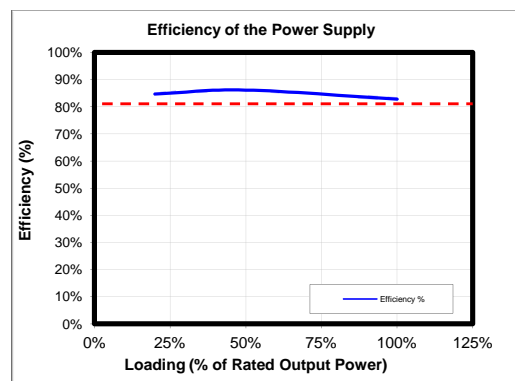
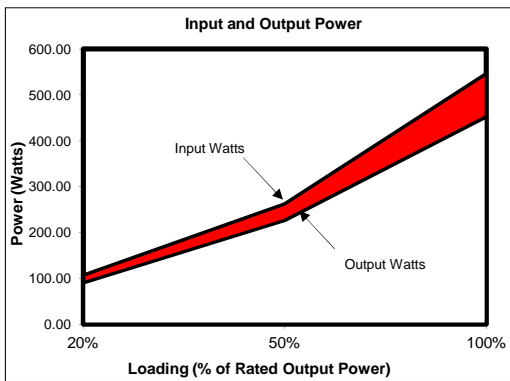
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	47-63	Hz
Rated Output Power	450	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 6.7%, 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		
0.35	0.71	61.70%	10%	57.34	12/2.9	11.7/0	3.4/1	5.1/1	5.1/0.2	45.35	79.08%
0.50	0.92	30.83%	20%	107.16	12/5.9	11.8/0.1	3.4/2.1	5.1/2.1	5.1/0.4	90.74	84.67%
1.16	0.99	6.70%	50%	263.00	12.1/14.6	12/0.1	3.4/5.2	5.1/5.1	5/1.1	226.57	86.15%
2.40	0.99	7.79%	100%	547.00	12.1/29.3	12.3/0.3	3.3/10.3	5/10.3	4.9/2.1	452.58	82.74%



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/>

