

80 PLUS Verification and Testing Report

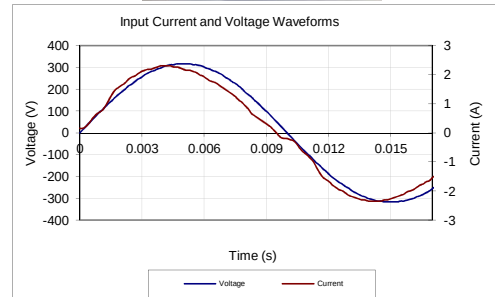
TYPICAL EFFICIENCY (50% Load):	86.96%
AVERAGE EFFICIENCY :	85.23%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-023
Manufacturer	Corsair
Model Number	75-001837 (CP-9020098) (VS650)
Serial Number	G140540000073
Year	2014
Type	ATX12V
Test Date	6/10/14

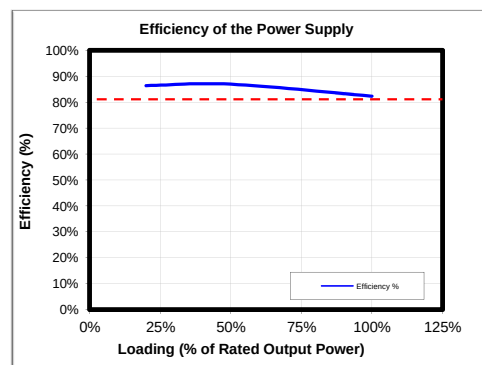
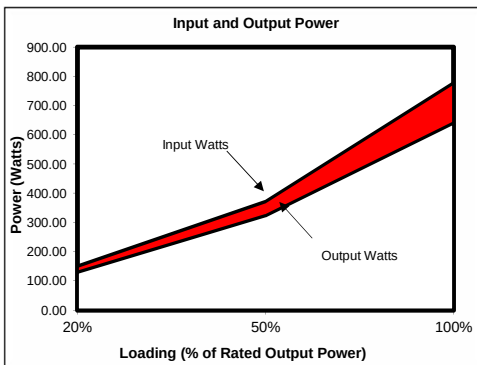
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 7.73%, 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		
0.48	0.71	64.25%	10%	79.10	11.9/4.4	11.6/0	3.4/1.3	5.1/1.3	5.1/0.2	65.03	82.21%
0.69	0.94	27.41%	20%	150.07	11.9/8.9	11.7/0.1	3.4/2.5	5.1/2.5	5/0.4	129.66	86.40%
1.63	0.99	7.73%	50%	371.60	11.9/22.1	11.8/0.1	3.4/6.4	5/6.3	5/1.1	323.13	86.96%
3.41	0.99	7.90%	100%	777.70	11.8/44.1	12.1/0.3	3.3/12.7	4.9/12.7	4.8/2.2	640.30	82.33%



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/>

