

80 PLUS Verification and Testing Report

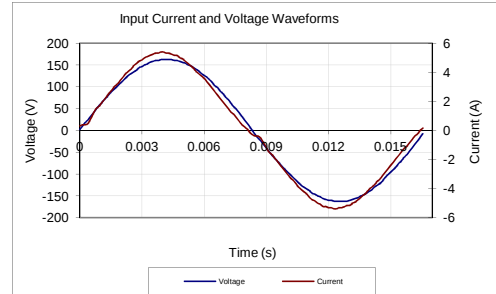
TYPICAL EFFICIENCY (50% Load):	89.30%
AVERAGE EFFICIENCY :	87.65%
80 PLUS COMPLIANT:	YES



Ecos ID #	3658
Manufacturer	Be Quiet
Model Number	Z1-750W
Serial Number	211S3151000089
Year	2013
Type	ATX12V
Test Date	7/29/13

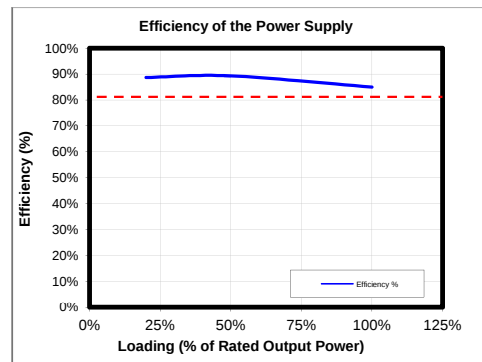
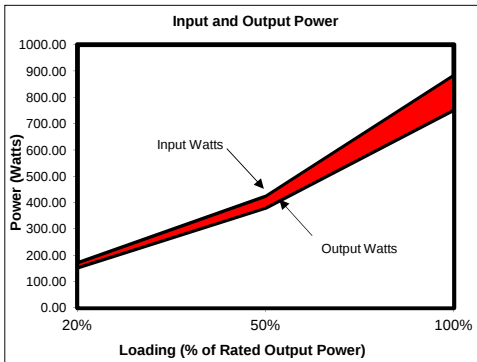
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (ITHD = 7.36%, 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		
0.82	0.95	28.06%	10%	90.55	12.2/5.1	11.9/0	3.4/1.5	5/1.5	5.1/0.3	76.07	84.01%
1.53	0.98	20.20%	20%	171.41	12.2/10.2	11.9/0.1	3.4/3	5/2.9	5.1/0.5	152.03	88.69%
3.71	1.00	7.36%	50%	424.60	12.1/25.6	12/0.1	3.3/7.4	5/7.4	5/1.2	379.16	89.30%
7.70	1.00	4.89%	100%	884.50	12.1/51	12.1/0.3	3.3/14.8	4.9/14.7	4.9/2.5	751.44	84.96%



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/>

