

80 PLUS Verification and Testing Report

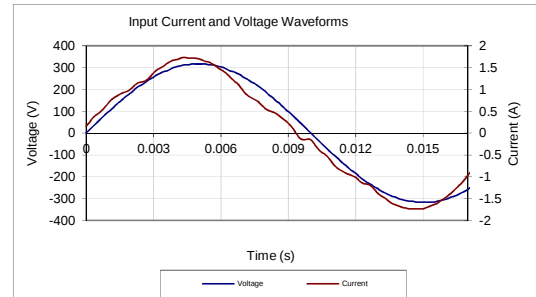
TYPICAL EFFICIENCY (50% Load):	86.71%
AVERAGE EFFICIENCY :	85.18%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-169
Manufacturer	Be Quiet
Model Number	SB8-450W
Serial Number	258H5370000037
Year	2015
Type	ATX12V
Test Date	10/22/15

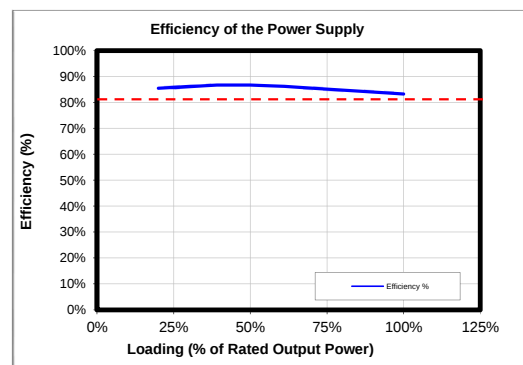
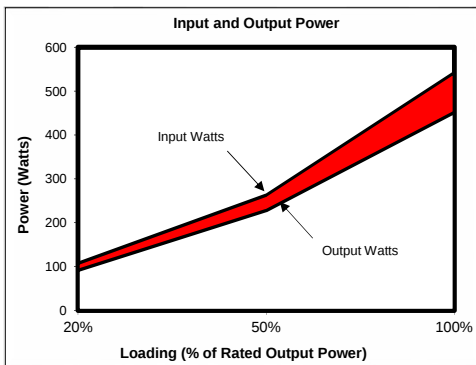
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 8.92%, 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.)						
0.30	0.83	30.70%	10%	56.63	12.08/0.02	3.35/1.4	5.06/0.88	5.01/0.25	45.78	80.83%	
0.50	0.94	9.71%	20%	107.14	12.11/0.05	3.35/2.81	5.05/1.75	5/0.49	91.63	85.52%	
1.23	0.93	8.92%	50%	262.80	12.18/0.12	3.33/7.02	5.02/4.36	4.97/1.23	227.87	86.71%	
2.39	0.99	11.86%	100%	542.30	12.35/0.25	3.3/13.99	4.98/8.71	4.91/2.46	451.77	83.31%	



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/>

