

80 PLUS Verification and Testing Report

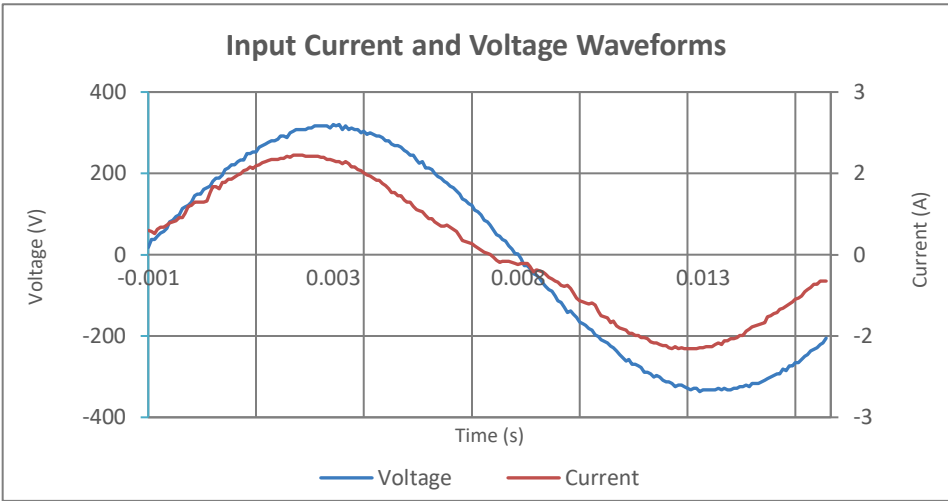
TYPICAL EFFICIENCY (50% Load):	88.67%
AVERAGE EFFICIENCY :	85.82%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-898.3
Manufacturer	Be Quiet
Model Number	S11-B-450W
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	6/20/22

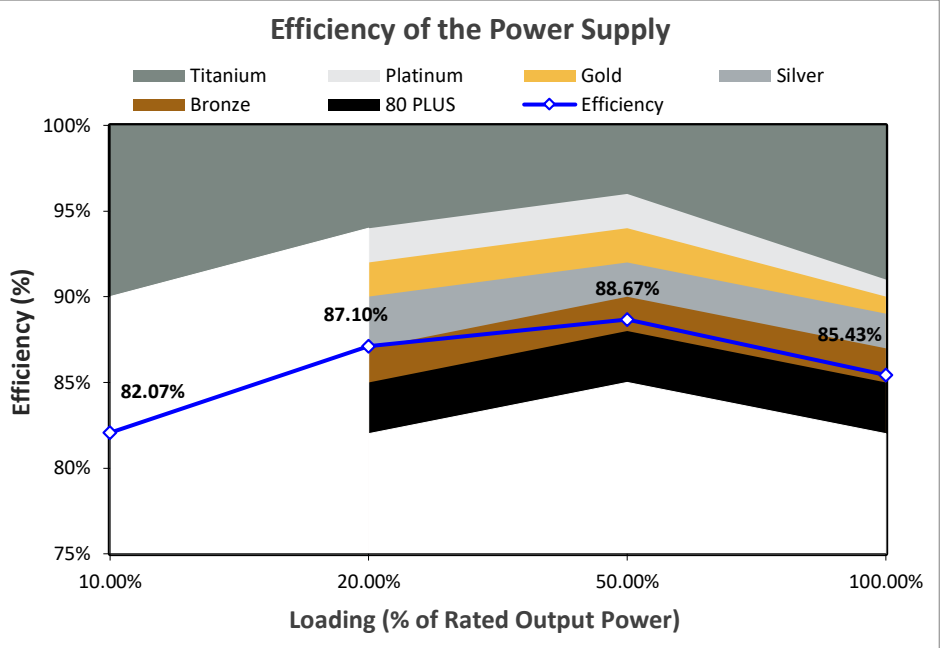
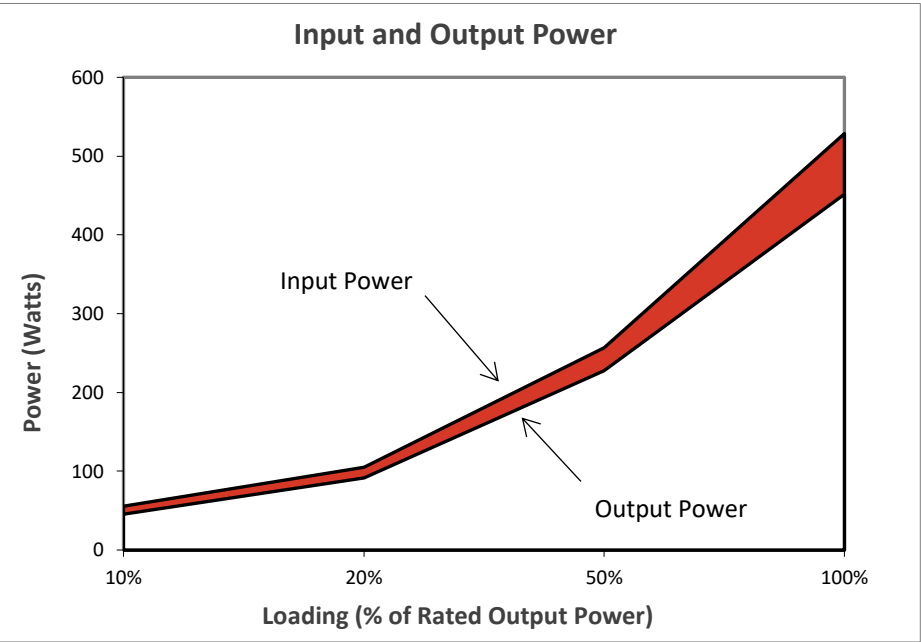
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 12.13%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vstb		
0.293	0.8224	21.83%	10%	55.49	12.15/2.92	12.04/0.02	3.39/1.03	5.1/1.03	5.12/0.22	45.54	82.07%
0.496	0.9204	16.98%	20%	104.92	12.13/5.85	12.06/0.05	3.38/2.06	5.09/2.06	5.09/0.47	91.39	87.10%
1.145	0.9741	12.13%	50%	256.50	12.09/14.63	12.13/0.12	3.36/5.15	5.07/5.1	5.08/1.17	227.44	88.67%
2.325	0.9883	9.23%	100%	528.60	12.02/29.26	12.3/0.23	3.32/10.32	5.02/10.21	5.02/2.33	451.61	85.43%



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/>