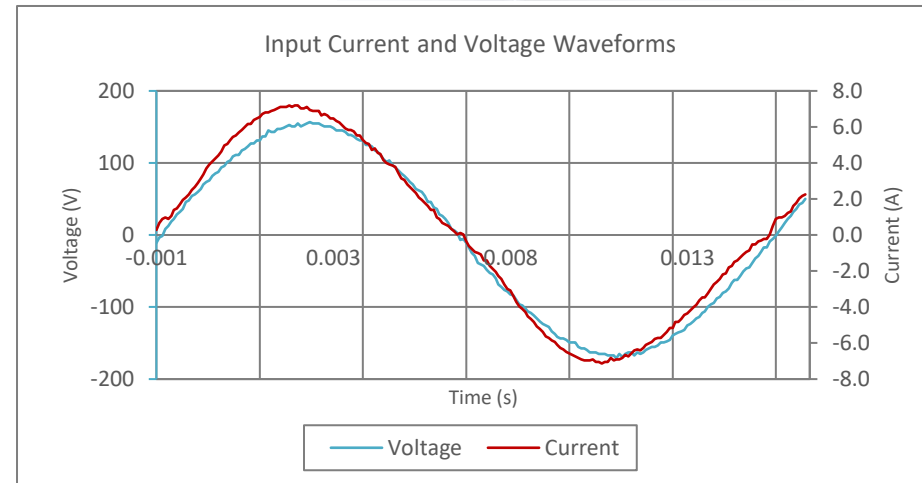


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.44%
AVERAGE EFFICIENCY :	91.18%
80 PLUS COMPLIANT:	YES



ID Number	5789.1
Manufacturer	Be Quiet
Model Number	E12-1000W
Serial Number	309S9381000008
Year	2019
Type	ATX12V, EPS12V
Test Date	11/18/19

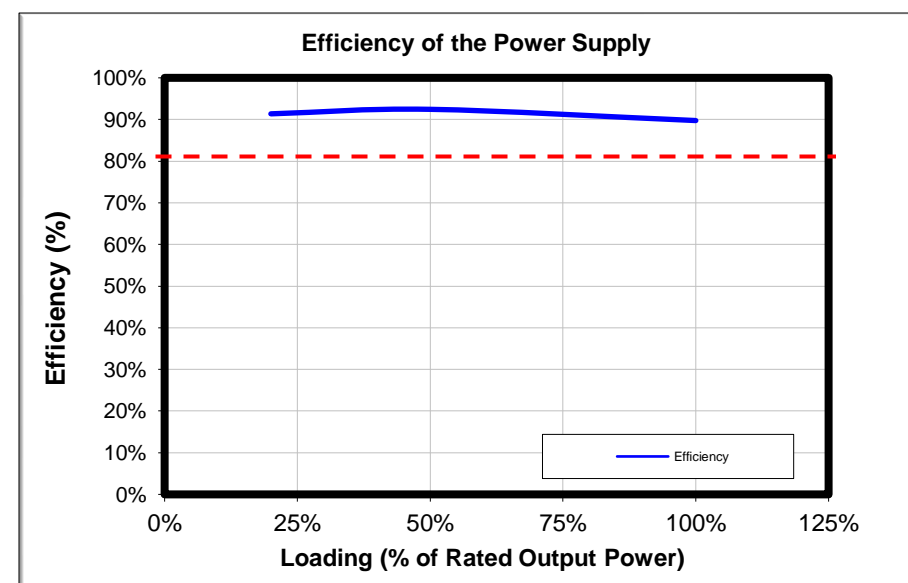
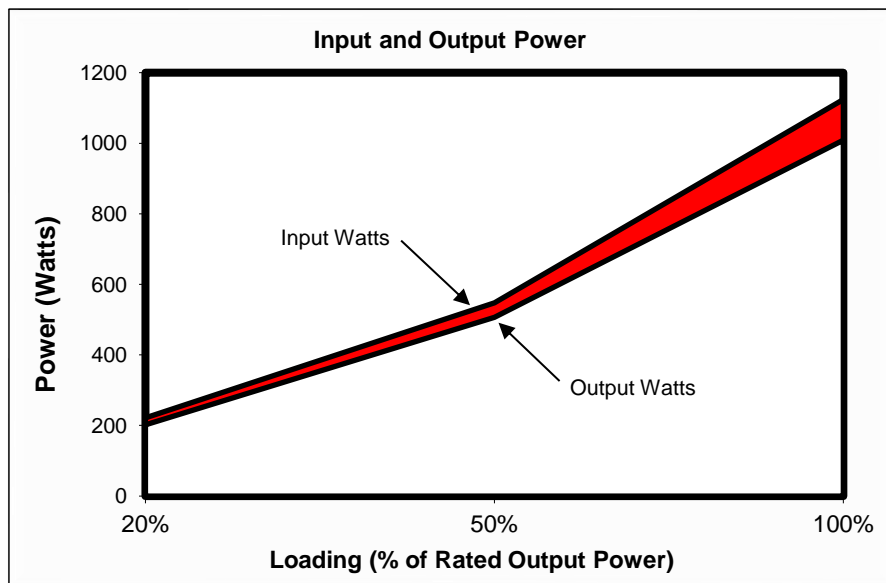


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13-6.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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

Input AC Current Waveform (ITHD = 6.63%, 50% Load)

I _{RMS}	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		
1.03	0.97	14.98%	10%	114.87	12.17/1.13	12.35/0.04	3.38/1.54	5.11/1.54	5.08/0.26	101.10	88.02%
1.94	0.99	5.92%	20%	221.64	12.1/14.28	12.36/0.09	3.4/3.06	5.09/3.07	5.03/0.51	202.49	91.36%
4.79	0.99	6.63%	50%	547.80	12.08/35.75	12.37/0.21	3.48/7.73	5.06/7.65	4.9/1.28	506.40	92.44%
9.85	0.99	8.68%	100%	1124.00	12.04/71.34	12.38/0.43	3.59/15.46	5.01/15.29	4.68/2.56	1008.71	89.74%



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/>