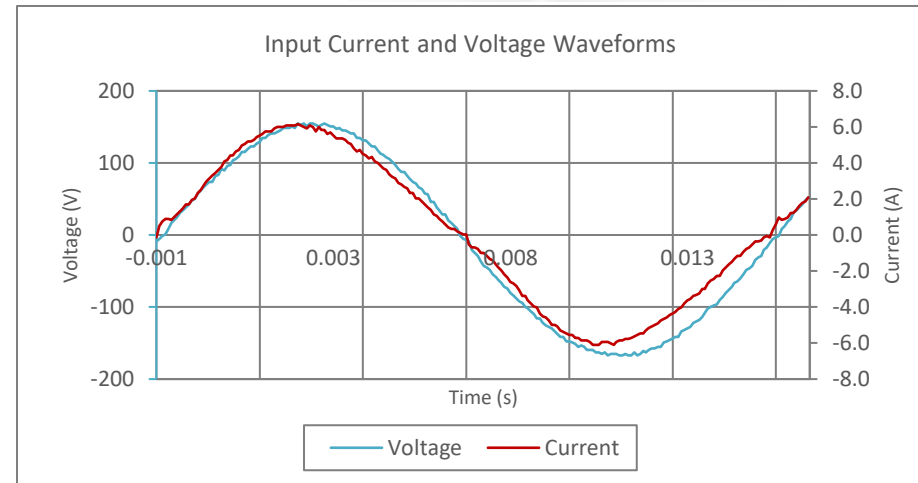


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.63%
AVERAGE EFFICIENCY :	91.35%
80 PLUS COMPLIANT:	YES



ID Number	5790.1
Manufacturer	Be Quiet
Model Number	E12-850W
Serial Number	308S9381000015
Year	2019
Type	ATX12V, EPS12V
Test Date	11/18/19

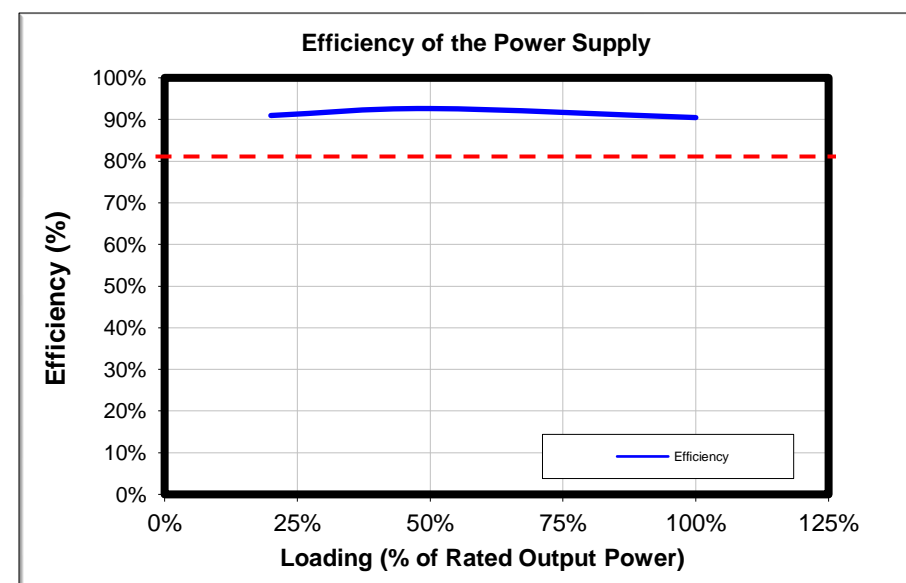
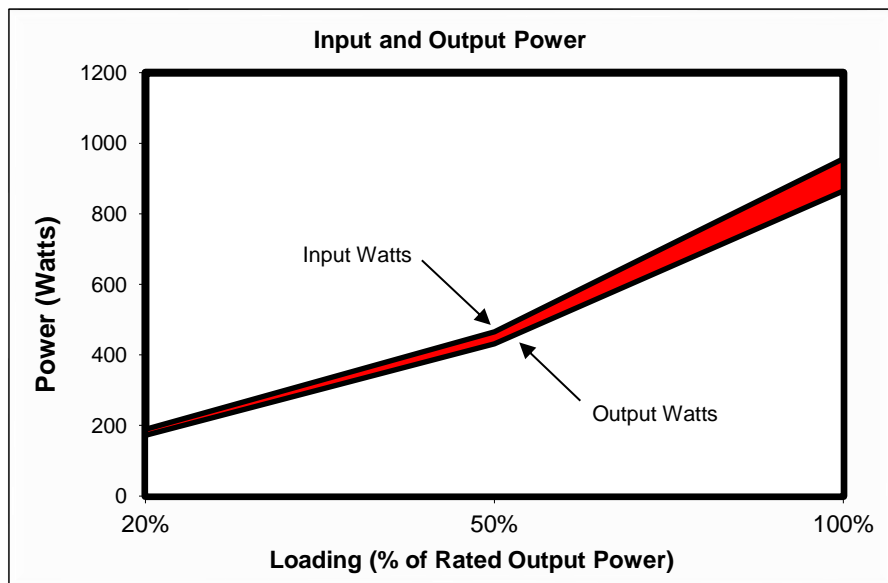


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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

Input AC Current Waveform (ITHD = 6.98%, 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
0.88	0.97	12.48%	10%	98.57	12.11/5.9	12.14/0.04	3.37/1.5	5.13/1.5	5.09/0.25	85.86	87.10%
1.67	0.99	6.09%	20%	189.65	12.1/11.85	12.15/0.08	3.39/3	5.15/2.99	5.08/0.5	172.49	90.95%
4.08	0.99	6.98%	50%	466.20	12.09/29.62	12.16/0.21	3.46/7.52	5.22/7.46	5.04/1.25	431.82	92.63%
8.38	0.99	8.88%	100%	956.00	12.06/59.19	12.17/0.42	3.57/15.07	5.33/14.9	4.98/2.5	864.77	90.46%



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/>