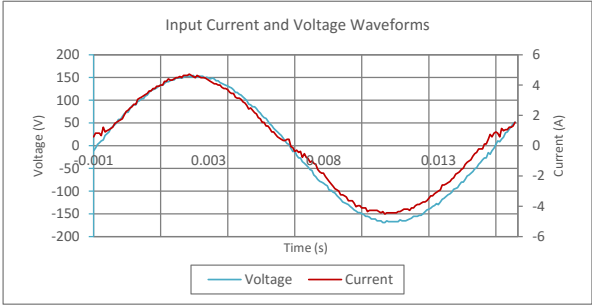


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.06%
AVERAGE EFFICIENCY :	89.66%
80 PLUS COMPLIANT:	YES



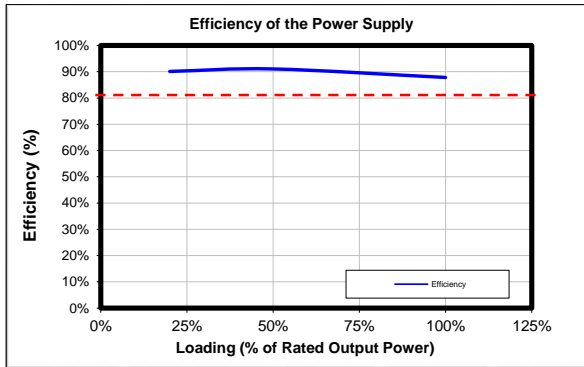
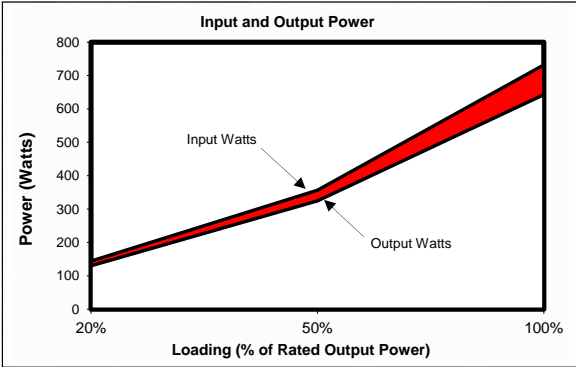
ID Number	5114
Manufacturer	Be Quiet
Model Number	E11-650W
Serial Number	282S7330000015
Year	2017
Type	ATX12V
Test Date	10/24/17



Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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

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.)						
0.69	0.95	12.50%	10%	75.31	11.97/4.36	12.12/0.02	3.35/1.36	5.02/1.36	5.06/0.24	65.07	86.40%
1.27	0.99	6.78%	20%	144.11	11.96/8.72	11.87/0.05	3.33/2.71	5.01/2.69	5.04/0.48	129.86	90.12%
3.11	1.00	5.59%	50%	356.59	11.94/21.9	11.88/0.12	3.3/6.79	4.97/6.73	4.97/1.21	324.69	91.06%
6.38	1.00	4.61%	100%	732.09	11.89/43.64	12.13/0.24	3.23/13.59	4.9/13.42	4.89/2.41	642.91	87.82%



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/>

