

80 PLUS Verification and Testing Report

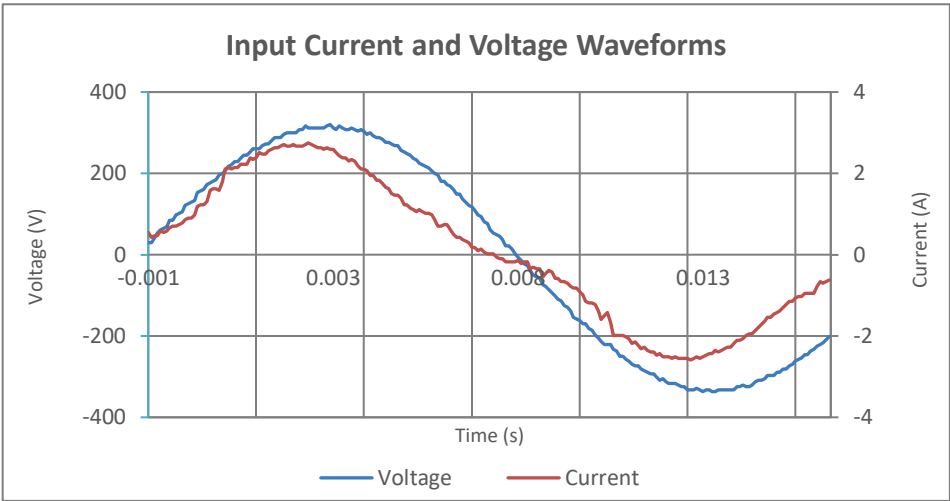
TYPICAL EFFICIENCY (50% Load):	89.64%
AVERAGE EFFICIENCY :	87.39%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-900.2
Manufacturer	Be Quiet
Model Number	S11-650W
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	6/20/22

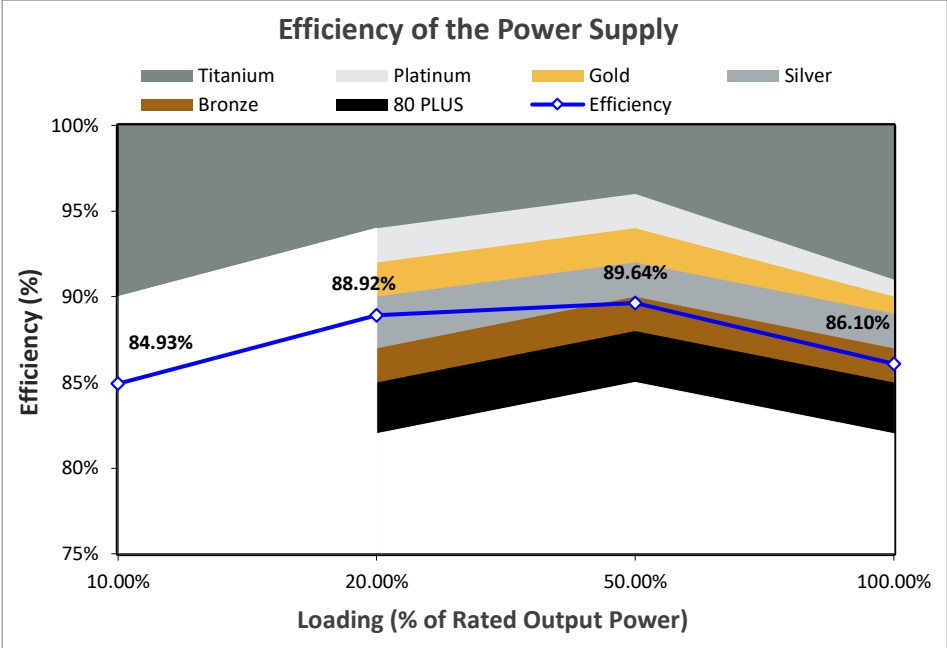
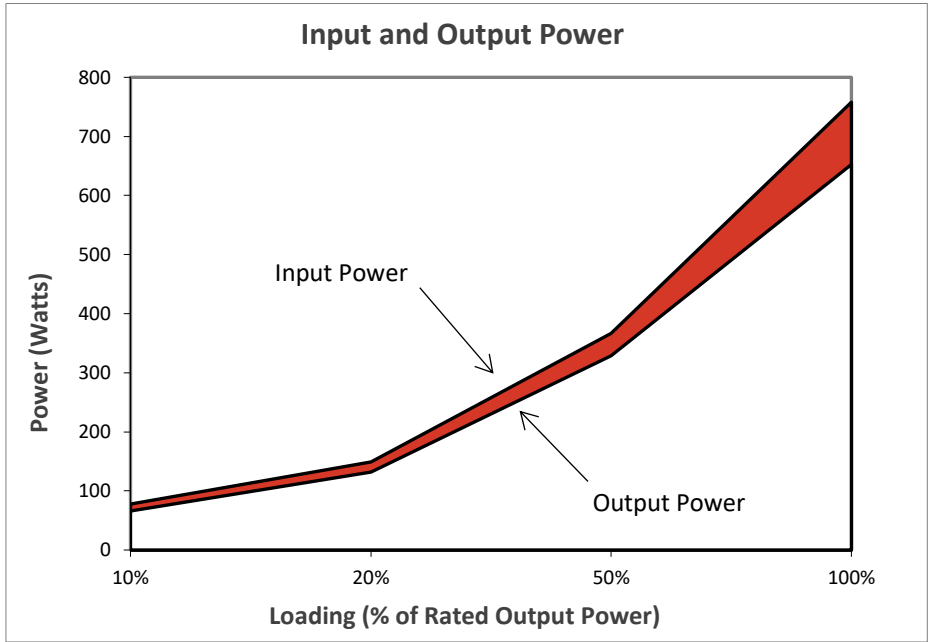
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 17.36%, 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	5Vstb		
0.394	0.8598	28.56%	10%	77.81	12.2/4.47	12.05/0.02	3.37/1.19	5.08/1.19	5.11/0.25	66.08	84.93%
0.696	0.9297	23.66%	20%	148.84	12.18/8.97	12.05/0.05	3.36/2.37	5.06/2.37	5.1/0.49	132.35	88.92%
1.646	0.9695	17.36%	50%	367.00	12.12/22.42	12.07/0.12	3.34/5.96	5.02/5.9	5.06/1.24	328.96	89.64%
3.356	0.9820	14.60%	100%	757.90	12.03/44.84	12.13/0.25	3.3/11.94	4.95/11.8	4.99/2.47	652.52	86.10%



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/>