80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**93.00%**
AVERAGE EFFICIENCY :	**91.77%**
80 PLUS COMPLIANT:	**YES**

ID Number	5849.1
Manufacturer	Be Quiet
Model Number	E12-750W
Serial Number	N/A
Year	2019
Type	ATX12V,EPS12V
Test Date	1/7/20
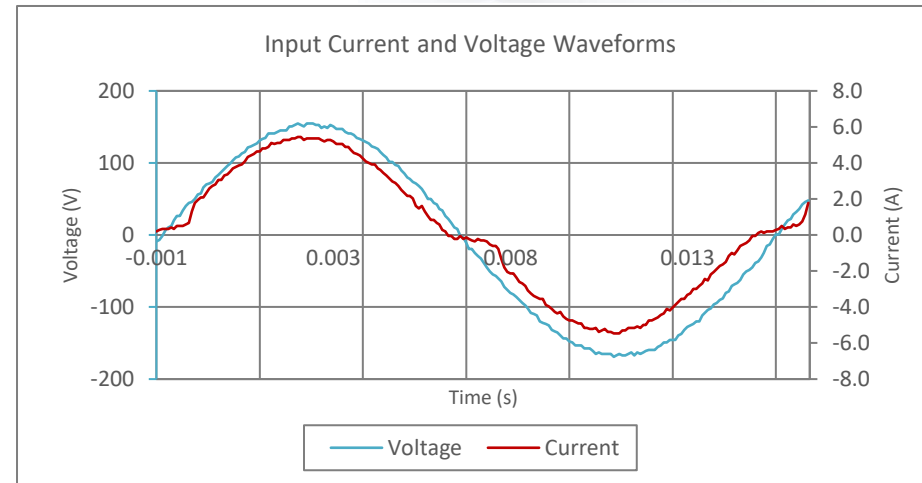
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	**750**	**Watts**

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

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 11.44%, 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		
0.77	0.97	19.35%	10%	86.02	12.18/5.23	11.92/0.03	3.39/1.31	5.07/1.31	5.03/0.25	76.38	88.79%
1.47	0.98	17.23%	20%	165.56	12.17/10.46	11.92/0.05	3.39/2.61	5.06/2.59	5.02/0.5	152.43	92.07%
3.59	0.99	11.44%	50%	409.00	12.14/26.18	11.93/0.13	3.37/6.55	5.05/6.48	4.98/1.25	380.35	93.00%
7.32	1.00	7.56%	100%	837.90	12.08/52.32	11.93/0.25	3.34/13.09	5.02/12.94	4.91/2.5	756.16	90.24%

Input and Output Power

Efficiency of the Power Supply
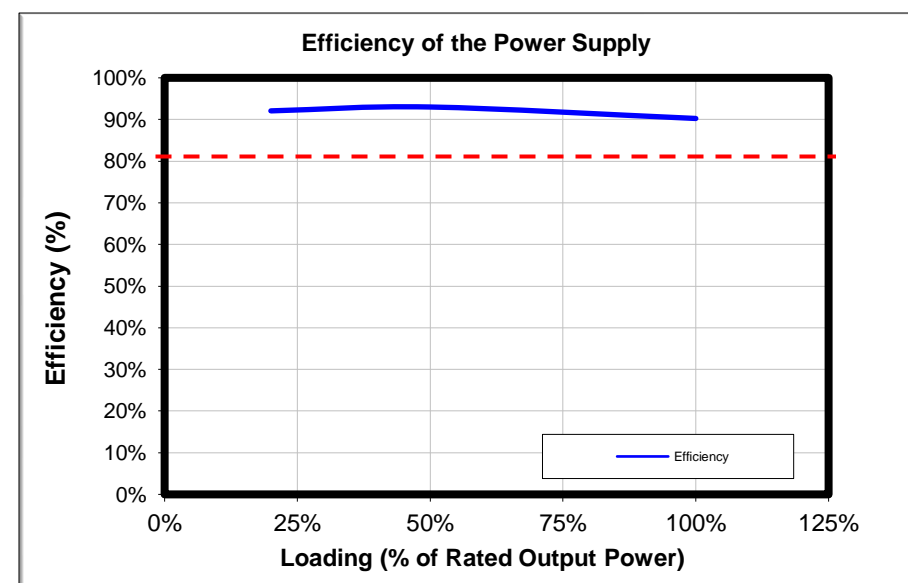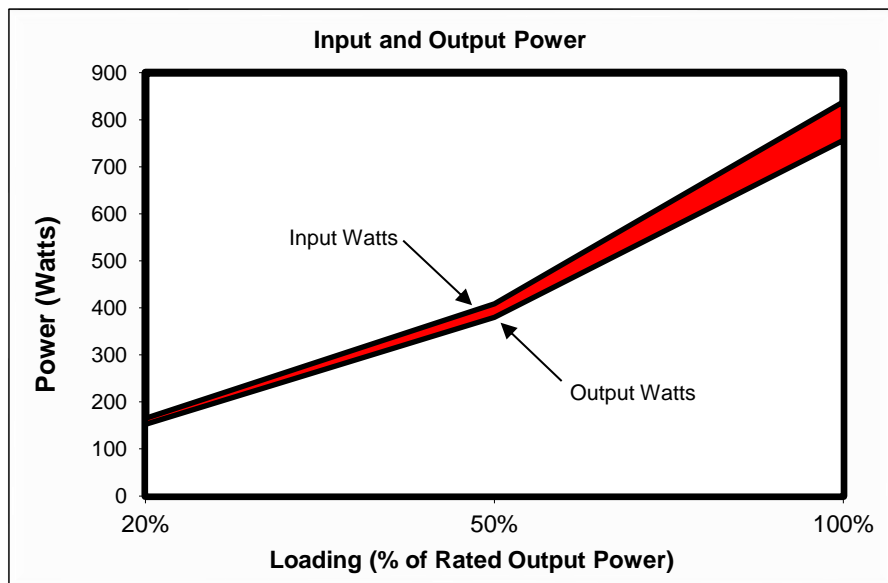
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*