

## 80 PLUS Verification and Testing Report

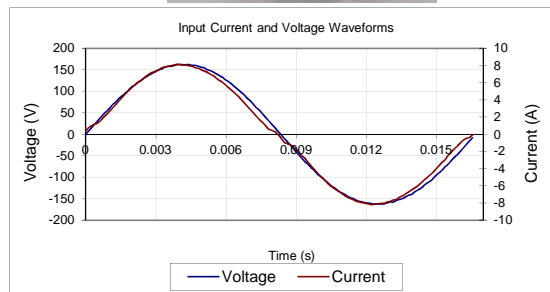
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.26%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.92%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	4312
<b>Manufacturer</b>	Be Quiet
<b>Model Number</b>	P11-1200W
<b>Serial Number</b>	255S5150000128
<b>Year</b>	2015
<b>Type</b>	ATX12V
<b>Test Date</b>	4/23/15

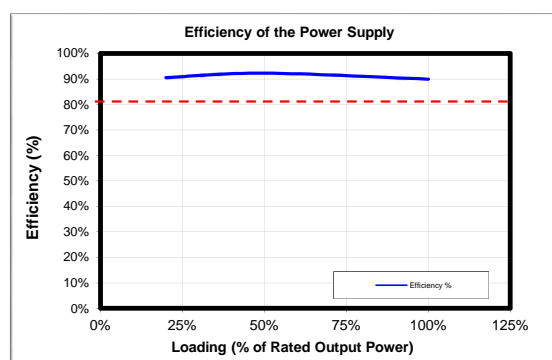
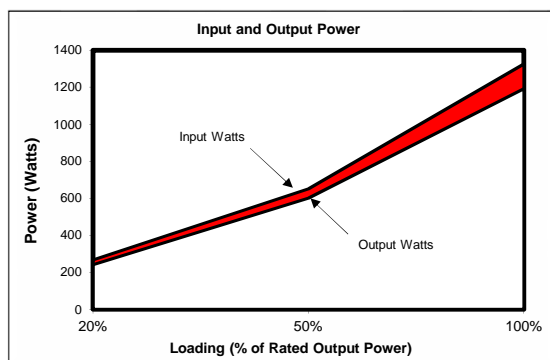
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	15-9	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1200</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 5.54%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
1.24	0.97	13.55%	10%	138.43	12/8.77	12.14/0.04	3.37/1.6	5.07/1.6	5.13/0.26	120.53	87.07%
2.34	0.99	2.75%	20%	266.80	12/17.59	12.14/0.09	3.37/3.19	5.07/3.17	5.11/0.53	241.62	90.56%
5.69	1.00	5.54%	50%	651.50	11.97/43.85	12.13/0.22	3.35/7.97	5.05/7.92	5.07/1.32	601.07	92.26%
11.57	1.00	4.80%	100%	1325.00	11.92/87.29	12.12/0.44	3.33/15.86	5.03/15.81	5.01/2.65	1191.73	89.94%



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/>

