

80 PLUS Verification and Testing Report

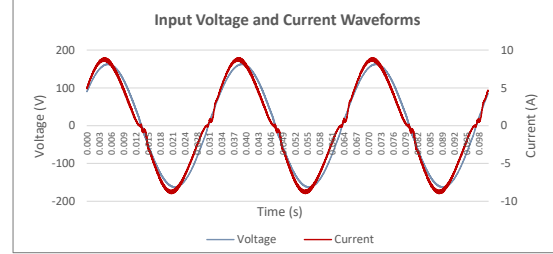
TYPICAL EFFICIENCY (50% Load):	91.91%
AVERAGE EFFICIENCY :	87.38%
AVERAGE STANDBY EFFICIENCY :	79.70%
80 PLUS COMPLIANT:	Gold



ID Number	8025
Manufacturer	Be Quiet
Model Number	L13-M-1200W
Sample 1 S/N:	029EUL5420000004
Sample 2 S/N:	029EUL5420000003
Type	ATX 3.1
Test Date	11/3/25

Rated	Value	Units
Input Voltage	110-240	Volts
Input Current	15-7.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1200	Watts

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



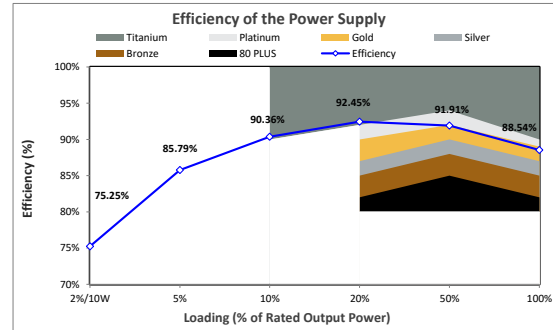
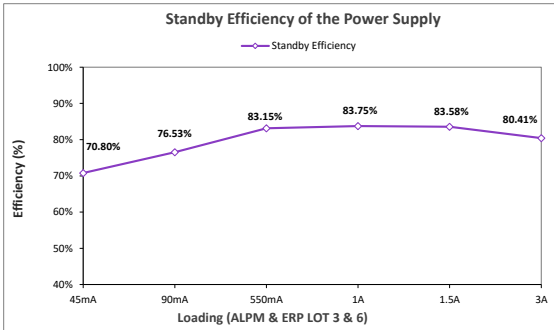
Input AC Current Waveform (ITHD = 10.24%, 50% Load)

I _{RMS} (A)	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		
0.163	0.3608	19.85	0%	6.79	No-Load						
0.332	0.8440	21.37	2%/10W	32.23	12.127/1.794	11.943/0.005	3.305/0.259	5.053/0.259	5.037/0.054	24.25	75.25%
0.648	0.9485	16.07	5%	70.65	12.125/4.484	11.943/0.013	3.305/0.648	5.053/0.648	5.036/0.135	60.61	85.79%
1.192	0.9776	12.95	10%	134.01	12.110/8.968	11.944/0.027	3.306/1.294	5.053/1.295	5.034/0.269	121.09	90.36%
2.294	0.9925	9.75	20%	261.79	12.103/17.932	11.946/0.054	3.304/2.590	5.051/2.591	5.031/0.538	242.03	92.45%
5.789	0.9875	10.24	50%	657.44	12.089/44.827	11.956/0.135	3.299/6.479	5.043/6.479	5.019/1.345	604.28	91.91%
11.898	0.9933	8.73	100%	1358.87	12.036/89.652	11.969/0.269	3.288/12.958	5.037/12.959	5.004/2.689	1203.12	88.54%

Note: Efficiency data was obtained from Sample 1 (Serial Number: 029EUL5420000004)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Standby Efficiency
					5VSB	Vampire Load					
0.109	0.0036	2.40	0mA	0.05							
0.110	0.0254	7.88	45mA	0.32	5.032/0.045					0.23	70.80%
0.112	0.0458	12.42	90mA	0.59	5.032/0.090					0.45	76.53%
0.132	0.2179	47.59	550mA	3.33	5.037/0.550					2.77	83.15%
0.163	0.3208	64.15	1A	6.02	5.041/1.000					5.04	83.75%
0.207	0.3762	72.58	1.5A	9.06	5.045/1.500					7.57	83.58%
0.326	0.4855	80.50	3A	18.87	5.057/3.000					15.17	80.41%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: 029EUL5420000003)



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.
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