

80 PLUS Verification and Testing Report

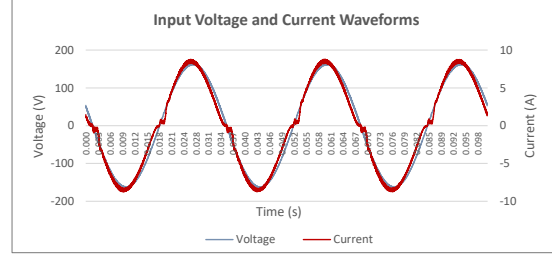
TYPICAL EFFICIENCY (50% Load):	92.80%
AVERAGE EFFICIENCY :	84.33%
AVERAGE STANDBY EFFICIENCY :	83.63%
80 PLUS COMPLIANT:	Platinum



ID Number	8018
Manufacturer	Be Quiet
Model Number	22-1200W
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	10/27/25

Rated	Value	Units
Input Voltage	100-240	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.



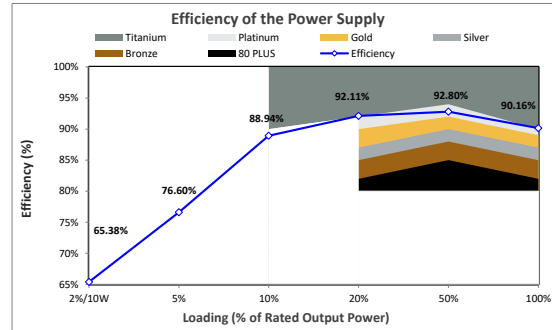
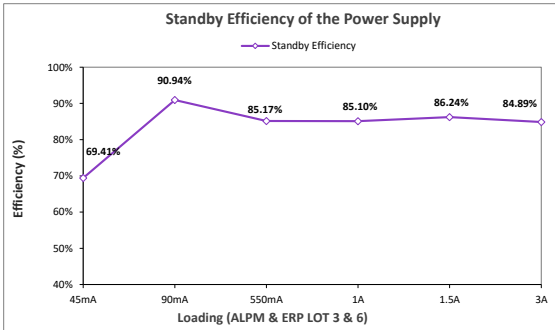
Input AC Current Waveform (THD = 9.55%, 50% Load)

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		
0.182	0.5080	31.71	0%	10.61	No-Load						
0.371	0.8706	30.35	2%/10W	37.17	12.156/1.794	12.299/0.005	3.316/0.259	5.021/0.259	5.125/0.054	24.30	65.38%
0.717	0.9626	22.60	5%	79.30	12.156/4.483	12.295/0.013	3.316/0.648	5.021/0.648	5.123/0.135	60.74	76.60%
1.240	0.9578	24.10	10%	136.52	12.153/8.962	12.295/0.027	3.317/1.296	5.020/1.296	5.118/0.269	121.42	88.94%
2.354	0.9723	19.67	20%	263.69	12.155/17.927	12.297/0.054	3.318/2.592	5.021/2.592	5.108/0.538	242.90	92.11%
5.724	0.9927	9.55	50%	653.39	12.137/44.820	12.308/0.135	3.316/6.480	5.019/6.480	5.079/1.345	606.35	92.80%
11.707	0.9972	5.66	100%	1341.51	12.106/89.634	12.330/0.269	3.317/12.960	5.020/12.960	5.032/2.689	1209.53	90.16%

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB	Vampire Load		
0.125	0.0020	29.15	0mA	0.03				
0.125	0.0231	24.56	45mA	0.33	5.114/0.045		0.23	69.41%
0.129	0.0341	28.40	90mA	0.51	5.114/0.090		0.46	90.94%
0.146	0.1959	50.40	550mA	3.30	5.105/0.550		2.81	85.17%
0.177	0.2920	66.29	1A	5.99	5.098/1.000		5.10	85.10%
0.216	0.3564	73.79	1.5A	8.85	5.089/1.500		7.63	86.24%
0.363	0.4282	82.44	3A	17.90	5.063/3.002		15.20	84.89%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)



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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