

80 PLUS Verification and Testing Report

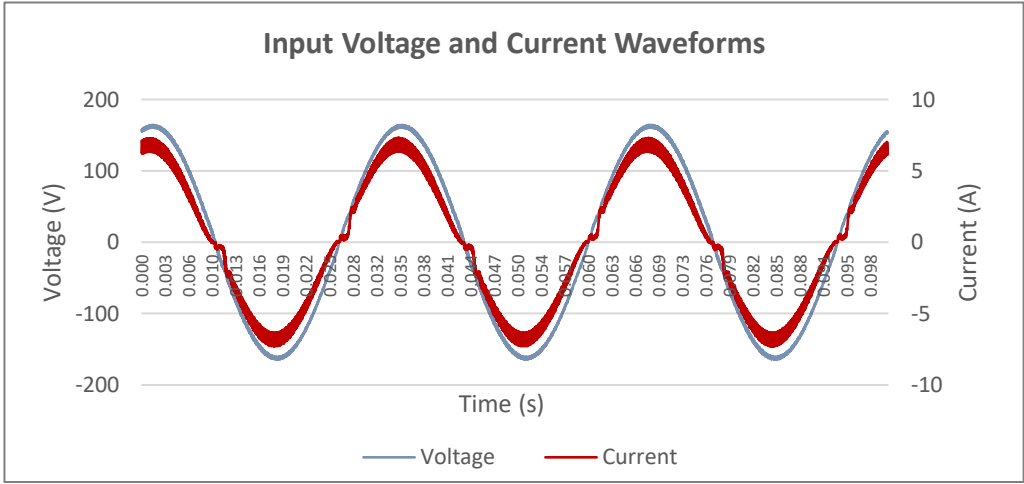
TYPICAL EFFICIENCY (50% Load):	94.66%
AVERAGE EFFICIENCY :	88.59%
AVERAGE STANDBY EFFICIENCY :	76.81%
80 PLUS COMPLIANT:	Titanium



ID Number	7950
Manufacturer	Be Quiet
Model Number	P14-1000W
Sample 1 S/N:	C25003518728
Sample 2 S/N:	C25003510109
Type	ATX 3.1
Test Date	8/28/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	13-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



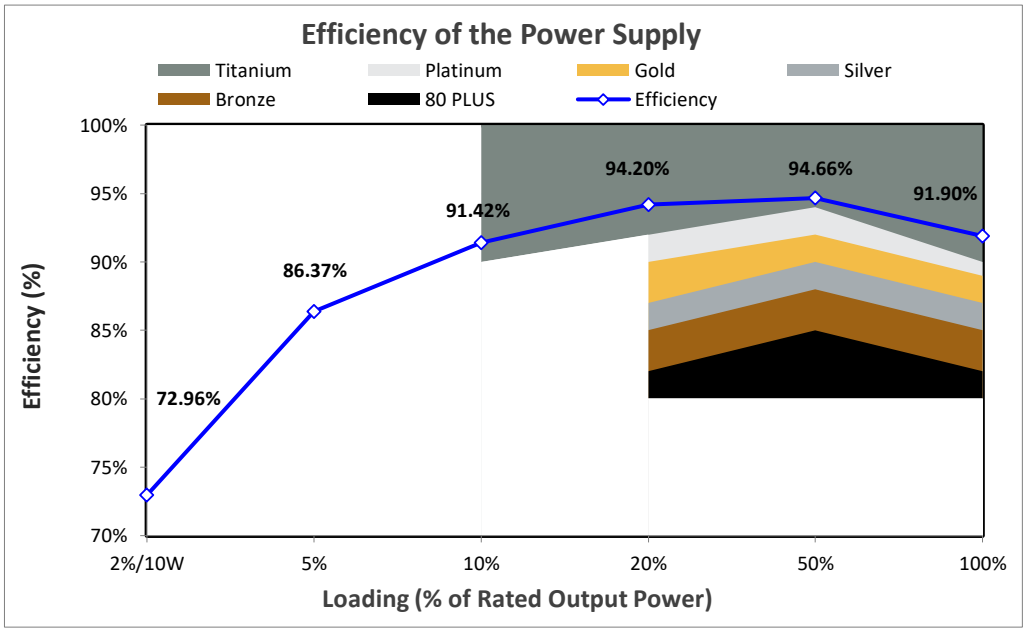
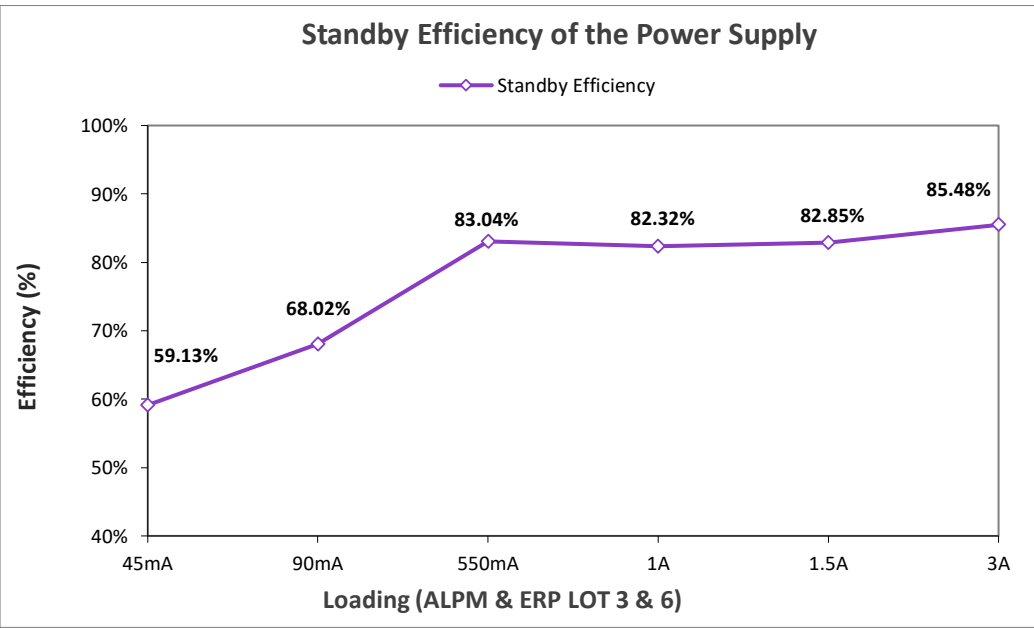
Input AC Current Waveform (ITHD = 7.47%, 50% Load)

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		
0.133	0.4348	25.41	0%	6.67	No-Load						
0.284	0.8435	10.16	2%/10W	27.50	12.030/1.544	11.942/0.005	3.302/0.153	5.027/0.153	5.090/0.032	20.06	72.96%
0.541	0.9328	11.60	5%	58.05	12.029/3.858	11.943/0.013	3.303/0.382	5.027/0.382	5.088/0.079	50.14	86.37%
0.985	0.9688	11.55	10%	109.69	12.029/7.715	11.943/0.026	3.303/0.764	5.028/0.764	5.084/0.159	100.29	91.42%
1.889	0.9799	13.17	20%	212.83	12.026/15.427	11.944/0.053	3.305/1.525	5.029/1.526	5.075/0.317	200.49	94.20%
4.631	0.9941	7.47	50%	529.24	12.020/38.567	11.949/0.132	3.309/3.817	5.030/3.817	5.050/0.793	501.00	94.66%
9.546	0.9926	5.78	100%	1089.19	12.007/77.126	11.957/0.264	3.315/7.635	5.033/7.637	5.007/1.585	1000.95	91.90%

Note: Efficiency data was obtained from Sample 1 (Serial Number: C25003518728)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB			
0.084	0.0088	4.11	0mA	0.09	Vampire Load			
0.085	0.0395	10.81	45mA	0.39	5.077/0.045		0.23	59.13%
0.086	0.0680	17.73	90mA	0.67	5.076/0.090		0.46	68.02%
0.108	0.2714	56.98	550mA	3.36	5.065/0.550		2.79	83.04%
0.142	0.3757	72.21	1A	6.14	5.054/1.000		5.05	82.32%
0.185	0.4288	78.80	1.5A	9.13	5.042/1.500		7.56	82.85%
0.330	0.4642	83.68	3A	17.58	5.004/3.003		15.02	85.48%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: C25003510109)



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. <https://www.clearesult.com/80plus/> [\[clearesult.com\]](https://www.clearesult.com/)