

80 PLUS Verification and Testing Report

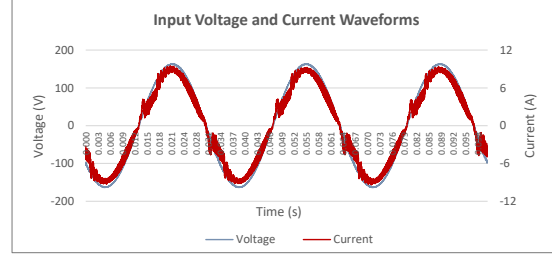
TYPICAL EFFICIENCY (50% Load):	94.41%
AVERAGE EFFICIENCY :	88.46%
AVERAGE STANDBY EFFICIENCY :	81.12%
80 PLUS COMPLIANT:	Titanium



ID Number	8163
Manufacturer	Be Quiet
Model Number	P14-PRO-1300W
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	4/1/26

Rated	Value	Units
Input Voltage	115-240	Volts
Input Current	15-9	Amps
Input Frequency	50-60	Hz
Rated Output Power	1300	Watts

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

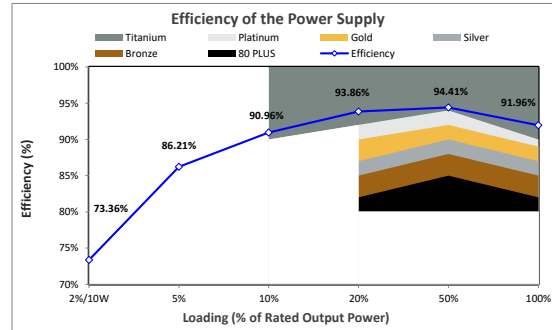
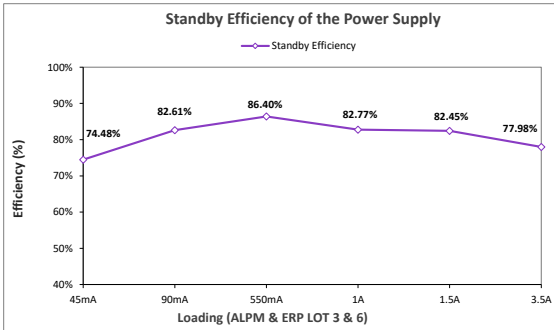


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.329	0.2215	33.47	0%	8.44	No-Load						
0.437	0.7035	56.43	2%/10W	35.52	12.019/1.912	12.044/0.009	3.318/0.319	5.062/0.319	4.995/0.062	26.06	73.36%
0.818	0.8032	55.75	5%	75.58	12.019/4.780	12.047/0.022	3.318/0.797	5.062/0.797	4.995/0.154	65.16	86.21%
1.262	0.9862	14.82	10%	143.18	12.016/9.555	12.044/0.044	3.318/1.594	5.062/1.594	4.994/0.309	130.24	90.96%
2.434	0.9915	12.60	20%	277.56	12.016/19.111	12.050/0.088	3.321/3.189	5.064/3.188	4.992/0.618	260.51	93.86%
6.037	0.9929	9.21	50%	689.81	12.012/47.784	12.064/0.221	3.327/7.973	5.072/7.971	4.982/1.544	651.25	94.41%
12.347	0.9958	5.54	100%	1413.52	11.985/95.565	12.061/0.441	3.333/15.942	5.075/15.942	4.972/3.087	1299.83	91.96%

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		
0.228	0.0014	5.51	0mA	0.04				
0.149	0.0176	17.48	45mA	0.30	5.011/0.045		0.23	74.48%
0.145	0.0327	31.66	90mA	0.55	5.012/0.090		0.45	82.61%
0.154	0.1812	37.64	550mA	3.19	5.014/0.550		2.76	86.40%
0.173	0.3117	53.66	1A	6.06	5.017/1.000		5.02	82.77%
0.291	0.2731	64.17	1.5A	9.13	5.019/1.500		7.53	82.45%
0.372	0.5304	76.72	3.5A	22.57	5.025/3.502		17.60	77.98%

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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