

80 PLUS Verification and Testing Report

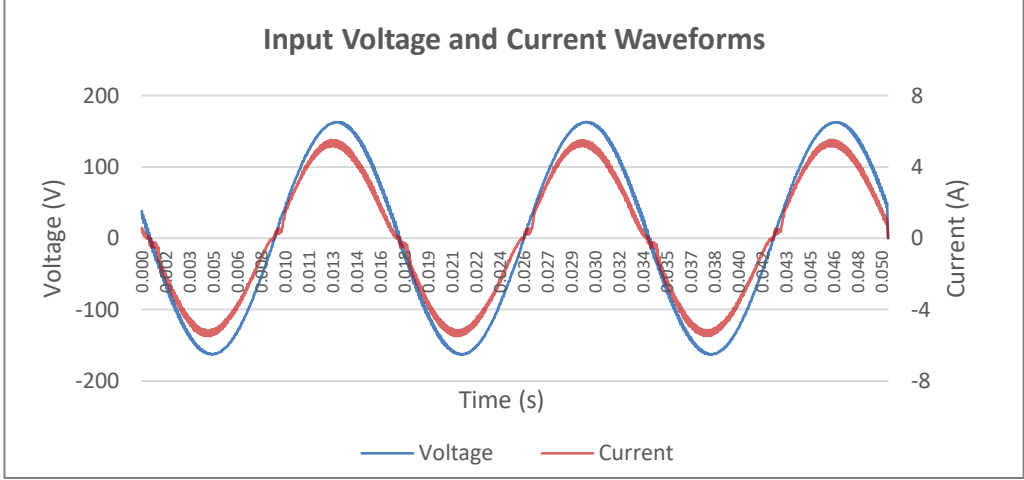
TYPICAL EFFICIENCY (50% Load):	90.68%
AVERAGE EFFICIENCY :	83.90%
AVERAGE STANDBY EFFICIENCY :	79.88%
80 PLUS COMPLIANT:	Gold



ID Number	7723
Manufacturer	Be Quiet
Model Number	S11-M-750W
Sample 1 S/N:	017EUS4421000050
Sample 2 S/N:	017EUS4421000048
Type	ATX12V, ATX 3.1
Test Date	1/24/25

Rated	Value	Units
Input Voltage	110-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	750	Watts

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



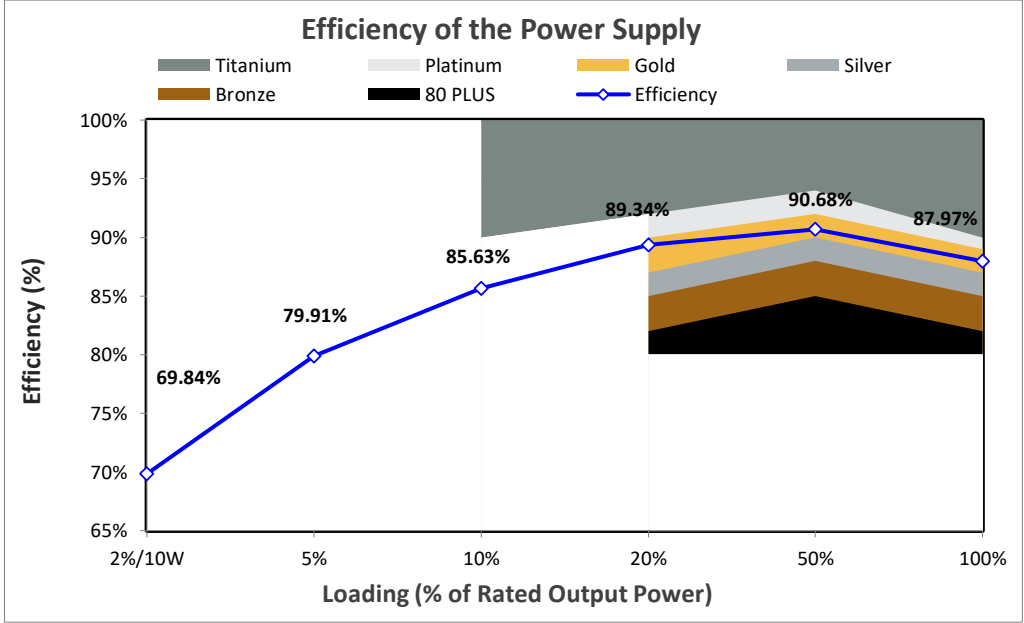
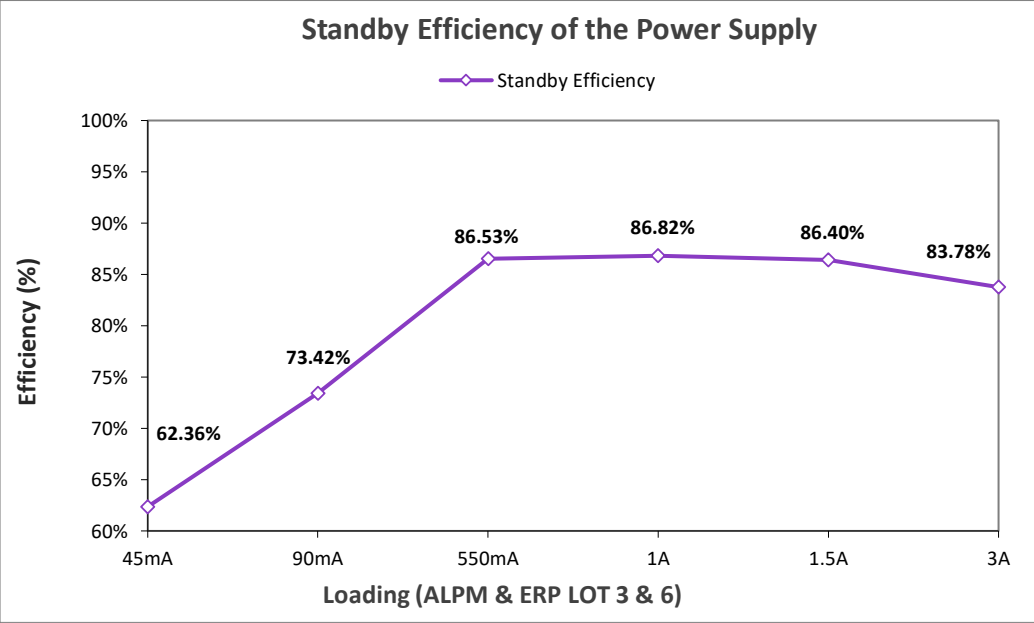
Input AC Current Waveform (ITHD = 6.08%, 50% Load)

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		
0.076	0.3408	28.37	0%	2.99	No-Load						
0.372	0.5093	45.40	2%/10W	21.82	12.201/1.058	12.071/0.005	3.320/0.244	5.006/0.244	5.150/0.051	15.24	69.84%
0.432	0.9596	16.04	5%	47.65	12.196/2.640	12.073/0.013	3.323/0.610	5.028/0.610	5.142/0.127	38.07	79.91%
0.782	0.9878	9.41	10%	88.90	12.189/5.279	12.062/0.025	3.321/1.221	5.032/1.220	5.130/0.253	76.12	85.63%
1.504	0.9842	11.31	20%	170.23	12.177/10.554	12.045/0.051	3.316/2.441	5.043/2.440	5.106/0.507	152.09	89.34%
3.648	0.9953	6.08	50%	417.74	12.137/26.380	12.014/0.127	3.301/6.102	5.022/6.101	5.028/1.266	378.81	90.68%
7.447	0.9986	3.45	100%	855.64	12.072/52.756	12.049/0.253	3.268/12.204	4.975/12.203	4.888/2.532	752.74	87.97%

Note: Efficiency data was obtained from Sample 1 (Serial Number: 017EUS4421000050)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Standby Efficiency
					5VSB	Vampire Load		
0.022	0.0273	7.45	0mA	0.07		5.179/0.045	0.23	62.36%
0.031	0.1041	42.09	45mA	0.37		5.176/0.090	0.47	73.42%
0.038	0.1454	59.82	90mA	0.63		5.139/0.550	2.83	86.53%
0.086	0.3316	88.15	550mA	3.27		5.103/1.000	5.10	86.82%
0.132	0.3884	88.95	1A	5.88		5.063/1.500	7.60	86.40%
0.189	0.4052	88.69	1.5A	8.79		4.940/3.003	14.83	83.78%
0.350	0.4400	87.45	3A	17.71				

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: 017EUS4421000048)



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/)