

80 PLUS Verification and Testing Report

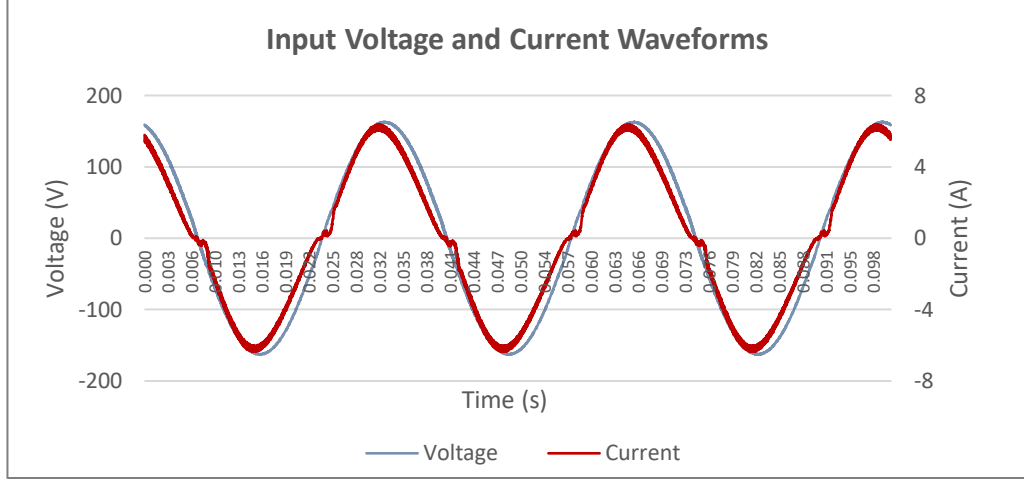
TYPICAL EFFICIENCY (50% Load):	92.14%
AVERAGE EFFICIENCY :	85.43%
AVERAGE STANDBY EFFICIENCY :	78.37%
80 PLUS COMPLIANT:	Platinum



ID Number	7944
Manufacturer	NZXT
Model Number	PS-2402
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	8/27/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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

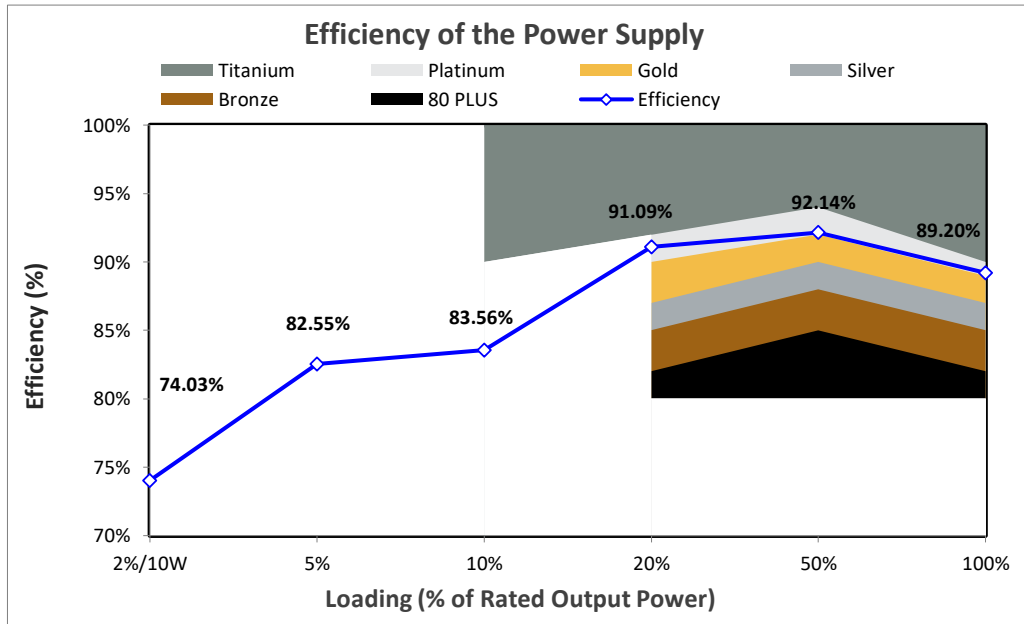
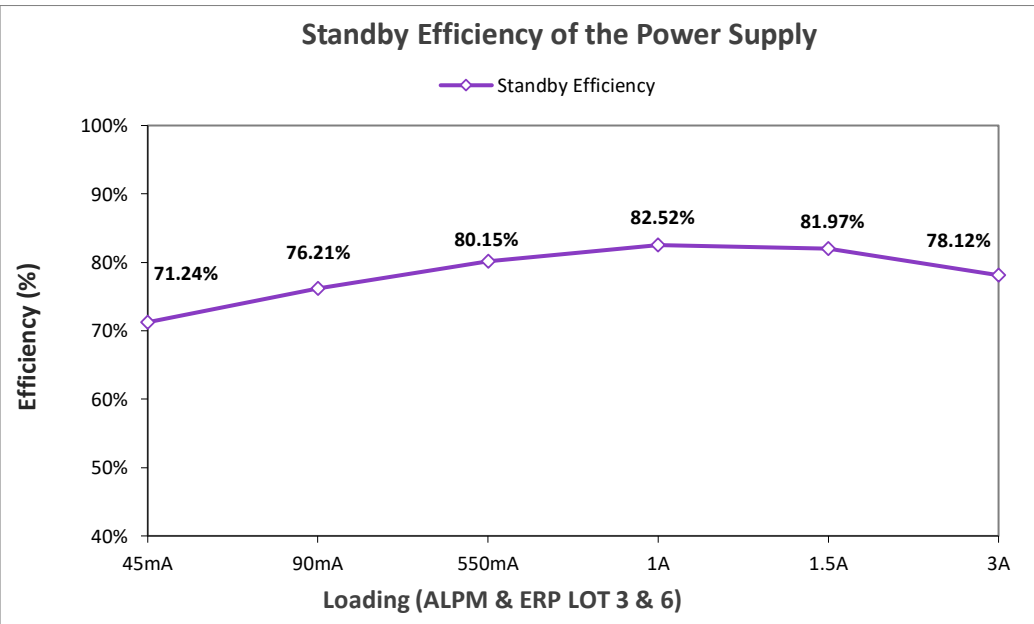


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency			
					12V (cumulative of 12V1, 12V2, etc.)						3.3V	5V	5VSB
					No-Load								
0.095	0.3760	23.55	0%	4.13									
0.228	0.8822	22.99	2%/10W	23.08	12.056/1.250	3.311/0.212	5.046/0.212	5.065/0.053	17.09	74.03%			
0.468	0.9625	16.58	5%	51.84	12.080/3.122	3.313/0.530	5.048/0.530	5.059/0.132	42.79	82.55%			
0.883	0.9789	15.84	10%	99.38	12.102/6.046	3.317/1.026	5.053/1.026	5.051/0.256	83.04	83.56%			
1.657	0.9840	14.54	20%	187.52	12.052/12.481	3.315/2.120	5.052/2.121	5.041/0.529	170.80	91.09%			
4.074	0.9900	11.28	50%	463.83	12.063/31.201	3.317/5.304	5.058/5.304	5.002/1.322	427.39	92.14%			
8.368	0.9946	8.61	100%	957.28	12.052/62.392	3.318/10.610	5.062/10.611	4.944/2.642	853.85	89.20%			

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			
0.064	0.0058	3.32	0mA	0.04	Vampire Load			
0.065	0.0431	15.00	45mA	0.32	5.089/0.045		0.23	71.24%
0.067	0.0784	26.76	90mA	0.60	5.088/0.090		0.46	76.21%
0.095	0.3173	67.37	550mA	3.48	5.075/0.550		2.79	80.15%
0.131	0.4060	77.97	1A	6.14	5.064/1.000		5.06	82.52%
0.178	0.4509	82.17	1.5A	9.24	5.050/1.500		7.58	81.97%
0.328	0.5100	84.14	3A	19.24	5.007/3.002		15.03	78.12%

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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