

80 PLUS Verification and Testing Report

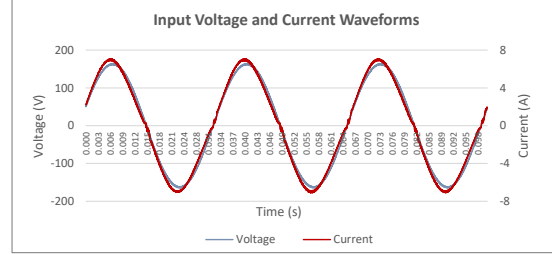
TYPICAL EFFICIENCY (50% Load):	92.74%
AVERAGE EFFICIENCY :	87.28%
AVERAGE STANDBY EFFICIENCY :	77.95%
80 PLUS COMPLIANT:	Platinum



ID Number	7874
Manufacturer	Phanteks
Model Number	PH-P1000GH 02
Sample 1 S/N:	S/N:P1000GH825061993
Sample 2 S/N:	S/N:P1000GH825061991
Type	ATX 3.1
Test Date	6/19/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	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.



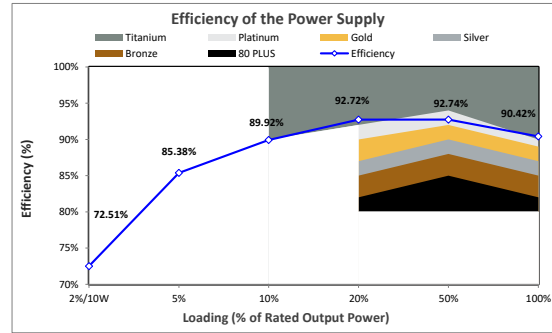
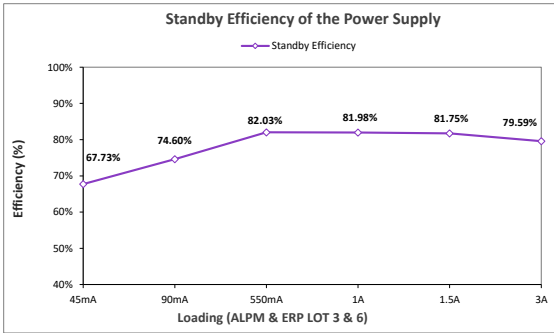
Input AC Current Waveform (THD = 5.26%, 50% Load)

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.)						
0.120	0.4579	48.82	0%	6.30	No-Load						
0.322	0.7503	24.64	2%/10W	27.81	12.087/1.464	12.260/0.005	3.337/0.255	5.098/0.255	5.112/0.053	20.17	72.51%
0.539	0.9531	14.30	5%	59.07	12.088/3.659	12.260/0.013	3.338/0.637	5.098/0.637	5.108/0.132	50.43	85.38%
0.991	0.9844	8.99	10%	112.16	12.089/7.316	12.260/0.026	3.339/1.274	5.099/1.274	5.101/0.265	100.85	89.92%
1.901	0.9950	6.11	20%	217.54	12.090/14.630	12.261/0.053	3.341/2.548	5.100/2.548	5.089/0.529	201.71	92.72%
4.743	0.9964	5.26	50%	543.54	12.086/36.574	12.264/0.132	3.339/6.371	5.096/6.371	5.050/1.322	504.08	92.74%
9.702	0.9983	3.86	100%	1114.06	12.079/73.146	12.272/0.264	3.339/12.742	5.091/12.742	4.985/2.644	1007.31	90.42%

Note: Efficiency data was obtained from Sample 1 (Serial Number: S/N:P1000GH825061993)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Standby Efficiency
					5VSB						
0.067	0.0081	10.96	0mA	0.06	Vampire Load						
0.070	0.0422	17.56	45mA	0.34	5.135/0.045					0.23	67.73%
0.066	0.0816	24.95	90mA	0.62	5.134/0.090					0.46	74.60%
0.088	0.3397	65.98	550mA	3.43	5.120/0.550					2.82	82.03%
0.120	0.4519	75.08	1A	6.23	5.106/1.000					5.11	81.98%
0.159	0.5097	78.10	1.5A	9.34	5.091/1.500					7.64	81.75%
0.291	0.5681	79.78	3A	19.03	5.045/3.001					15.14	79.59%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: S/N:P1000GH825061991)



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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