

80 PLUS Verification and Testing Report

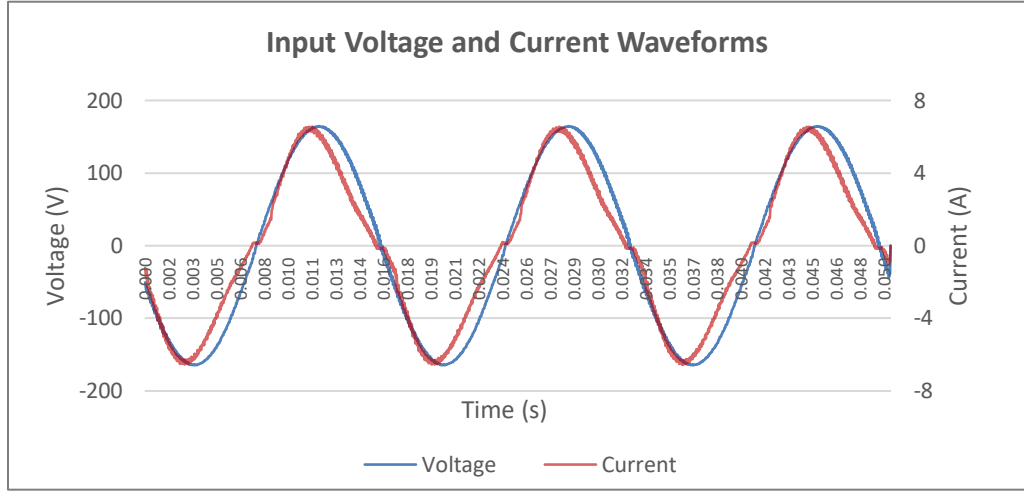
TYPICAL EFFICIENCY (50% Load):	91.43%
AVERAGE EFFICIENCY :	84.50%
AVERAGE STANDBY EFFICIENCY :	76.69%
80 PLUS COMPLIANT:	Gold



ID Number	7711
Manufacturer	Gamer Storm
Model Number	PN850D (PN850D-FC)
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	1/17/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	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.

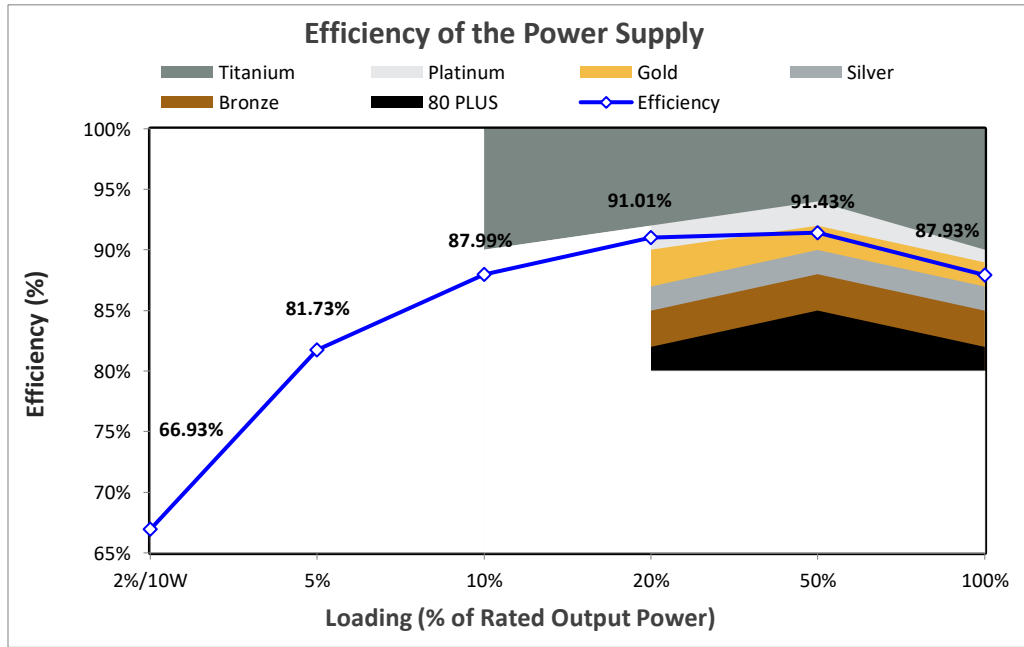
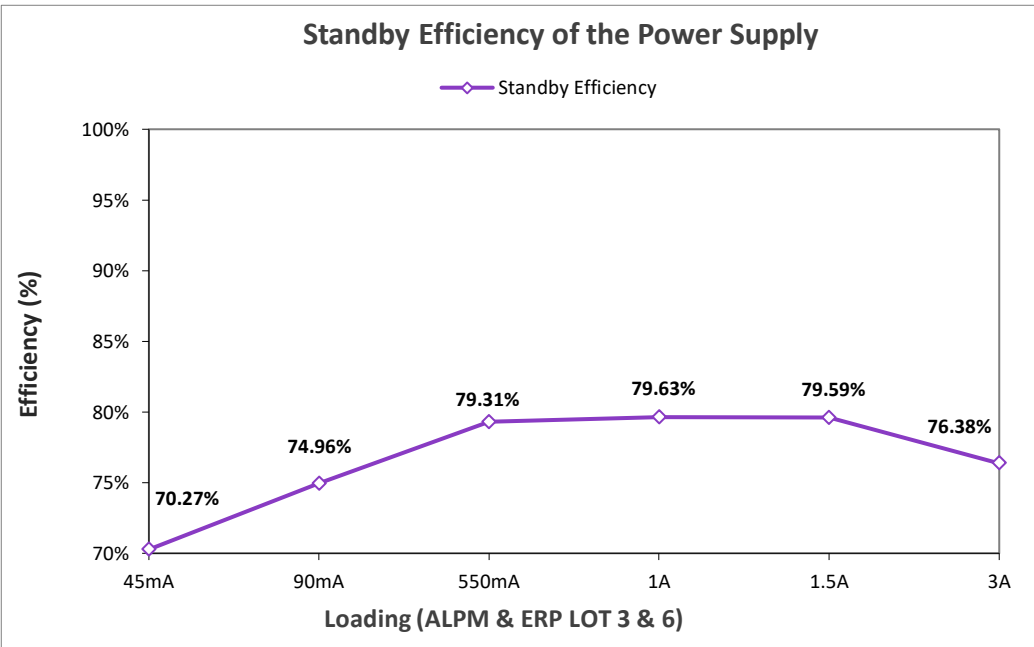


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.162	0.3858	25.43	0%	7.20	No-Load						
0.291	0.7652	24.14	2%/10W	25.58	12.069/1.232	11.717/0.005	3.341/0.231	5.064/0.231	5.092/0.052	17.12	66.93%
0.500	0.9103	15.90	5%	52.34	12.068/3.077	11.601/0.013	3.341/0.578	5.063/0.578	5.087/0.131	42.78	81.73%
0.878	0.9642	12.16	10%	97.23	12.066/6.152	11.434/0.026	3.342/1.156	5.063/1.156	5.076/0.262	85.55	87.99%
1.671	0.9780	14.17	20%	187.89	12.061/12.301	11.250/0.052	3.343/2.312	5.063/2.311	5.056/0.523	170.99	91.01%
4.139	0.9806	14.76	50%	466.96	12.049/30.747	11.314/0.131	3.345/5.780	5.064/5.779	4.994/1.308	426.94	91.43%
8.512	0.9872	11.95	100%	966.78	11.996/61.492	11.561/0.262	3.338/11.559	5.066/11.558	4.880/2.616	850.04	87.93%

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			
0.087	0.0048	1.57	0mA	0.05	Vampire Load			
0.088	0.0321	9.18	45mA	0.32	5.075/0.045		0.23	70.27%
0.090	0.0590	16.77	90mA	0.61	5.074/0.090		0.46	74.96%
0.115	0.2651	58.70	550mA	3.51	5.062/0.550		2.79	79.31%
0.153	0.3614	73.23	1A	6.34	5.052/1.000		5.05	79.63%
0.198	0.4175	79.41	1.5A	9.50	5.039/1.500		7.56	79.59%
0.357	0.4780	84.61	3A	19.66	4.999/3.003		15.01	76.38%

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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