

80 PLUS Verification and Testing Report

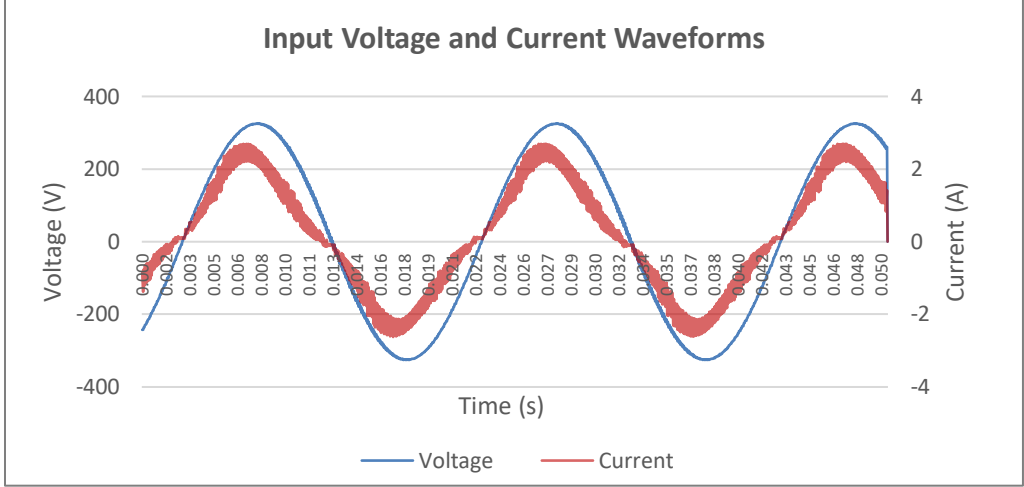
TYPICAL EFFICIENCY (50% Load):	90.35%
AVERAGE EFFICIENCY :	81.00%
AVERAGE STANDBY EFFICIENCY :	73.20%
80 PLUS COMPLIANT:	Silver



ID Number	EU-1164
Manufacturer	Gamer Storm
Model Number	PF600X (PF600X-HD)
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 2.0
Test Date	1/20/25

Rated	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.

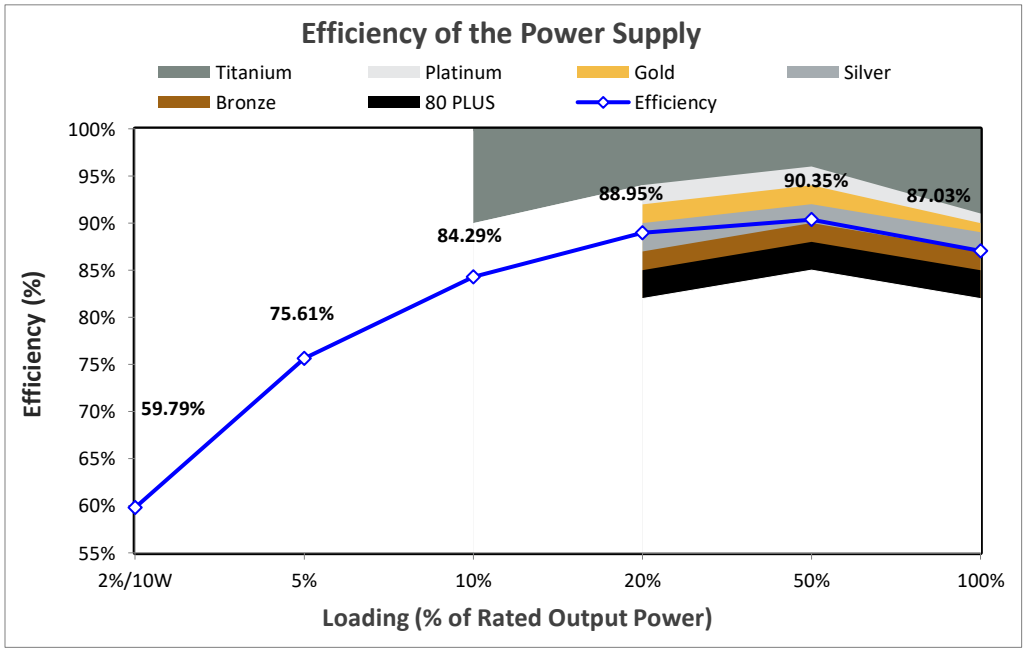
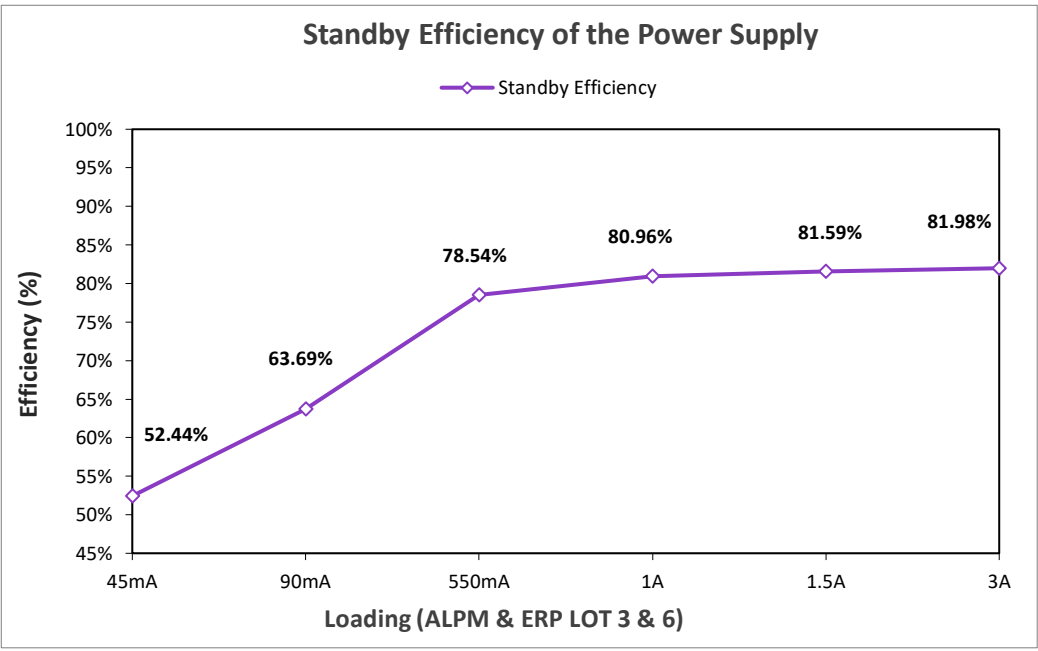


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.103	0.3649	32.16	0%	8.66	No-Load						
0.151	0.5841	26.82	2%/10W	20.33	12.140/0.837	11.210/0.005	3.372/0.201	5.078/0.201	5.132/0.050	12.15	59.79%
0.230	0.7602	21.20	5%	40.18	12.140/2.090	11.567/0.013	3.371/0.503	5.079/0.503	5.129/0.125	30.38	75.61%
0.361	0.8674	17.75	10%	72.09	12.140/4.177	11.552/0.025	3.368/1.006	5.077/1.006	5.124/0.251	60.76	84.29%
0.637	0.9316	16.16	20%	136.59	12.142/8.352	11.499/0.050	3.363/2.012	5.073/2.012	5.113/0.501	121.49	88.95%
1.510	0.9680	14.68	50%	336.01	12.145/20.877	11.442/0.125	3.345/5.030	5.060/5.030	5.082/1.253	303.60	90.35%
3.089	0.9813	11.80	100%	697.19	12.152/41.754	11.463/0.251	3.314/10.060	5.036/10.061	5.026/2.504	606.75	87.03%

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			
0.068	0.0103	2.37	0mA	0.16	Vampire Load			
0.068	0.0282	8.83	45mA	0.44	5.160/0.045		0.23	52.44%
0.070	0.0452	14.85	90mA	0.73	5.160/0.090		0.46	63.69%
0.086	0.1817	55.84	550mA	3.61	5.151/0.550		2.83	78.54%
0.110	0.2501	72.61	1A	6.35	5.141/1.000		5.14	80.96%
0.143	0.2867	81.07	1.5A	9.44	5.134/1.500		7.70	81.59%
0.237	0.3434	88.28	3A	18.70	5.106/3.003		15.33	81.98%

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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