80 PLUS Verification and Testing Report

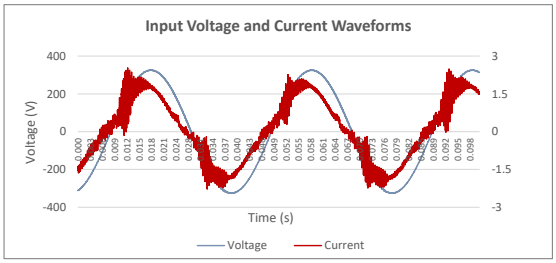
TYPICAL EFFICIENCY (50% Load):	91.08%
AVERAGE EFFICIENCY :	80.59%
AVERAGE STANDBY EFFICIENCY :	74.23%
80 PLUS COMPLIANT:	Silver



ID Number	EU-1293
Manufacturer	Gamer Storm
Model Number	PF500D V2
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	12/22/25

Rated	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



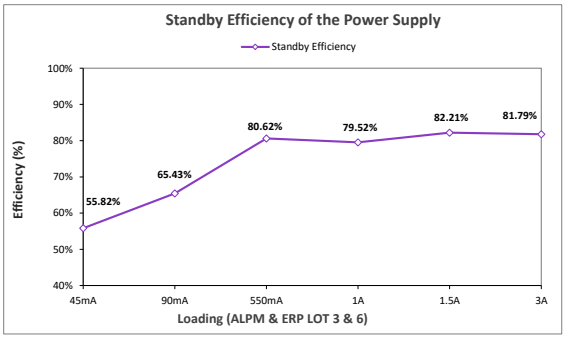
Input AC Current Waveform (ITHD = 20.97%, 50% Load)

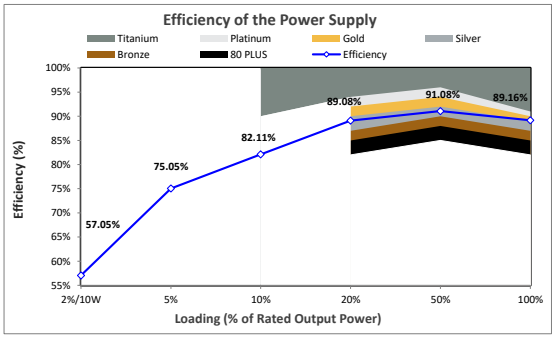
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.388	0.0774	92.16	0%	6.94	No-Load						
0.450	**0.1718**	87.93	2%/10W	17.80	12.019/0.551	0.000/0.000	3.340/0.150	5.071/0.500	5.024/0.100	10.15	57.05%
0.543	**0.2677**	88.67	5%	33.43	12.018/1.683	12.106/0.012	3.340/0.488	5.071/0.489	5.022/0.122	25.09	75.05%
0.647	**0.4091**	85.19	10%	61.10	12.018/3.365	12.174/0.024	3.340/0.977	5.072/0.977	5.015/0.243	50.17	82.11%
0.683	**0.7215**	56.21	20%	112.63	12.017/6.730	12.155/0.049	3.341/1.954	5.073/1.954	5.000/0.487	100.33	89.08%
1.261	**0.9511**	20.97	50%	275.30	12.014/16.825	12.112/0.122	3.343/4.885	5.074/4.885	4.957/1.216	250.74	91.08%
2.477	**0.9864**	6.36	100%	561.92	12.004/33.650	12.136/0.243	3.347/9.771	5.073/9.770	4.882/2.432	501.03	89.16%

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		
0.345	0.0008	92.47	0mA	0.07	Vampire Load		
0.330	**0.0054**	89.35	45mA	0.41	5.054/0.045	0.23	55.82%
0.321	**0.0094**	90.34	90mA	0.69	5.053/0.090	0.45	65.43%
0.311	**0.0480**	89.84	550mA	3.44	5.038/0.550	2.77	80.62%
0.253	**0.1079**	78.72	1A	6.32	5.023/1.000	5.02	79.52%
0.268	**0.1481**	82.78	1.5A	9.13	5.007/1.500	7.51	82.21%
0.277	**0.2858**	82.02	3A	18.19	4.958/3.002	14.88	81.79%

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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