80 PLUS Verification and Testing Report

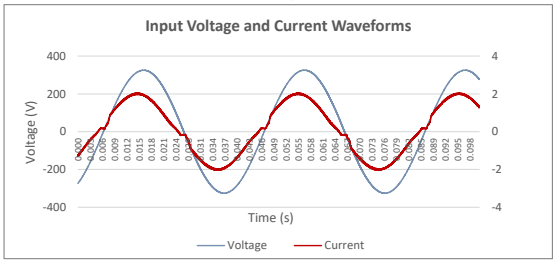
TYPICAL EFFICIENCY (50% Load):	**90.41%**
AVERAGE EFFICIENCY :	**81.85%**
AVERAGE STANDBY EFFICIENCY :	**75.24%**
80 PLUS COMPLIANT:	**Silver**



ID Number	EU-1280
Manufacturer	Gamer Storm
Model Number	PF550D V2
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	12/4/25

Rated	Value	Units
Input Voltage	200-240	**Volts**
Input Current	4	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	550	**Watts**

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



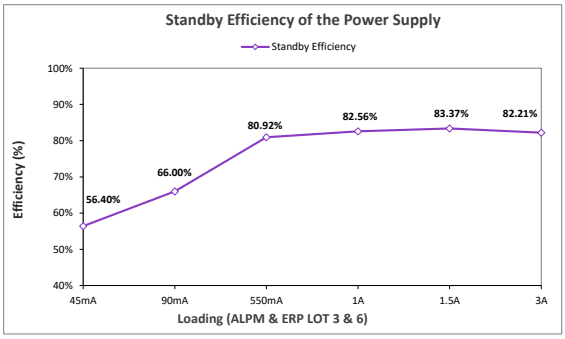
Input AC Current Waveform (ITHD = 7.99%, 50% Load)

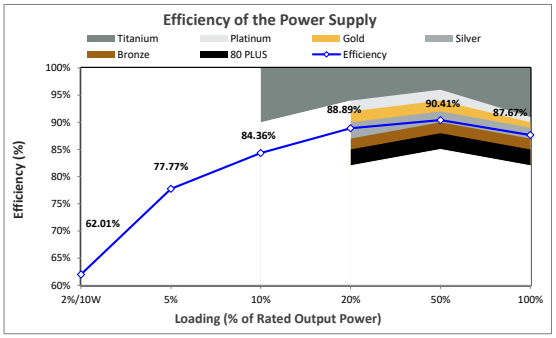
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.142	0.2234	18.38	0%	**7.29**	**No-Load**						
0.179	**0.4330**	21.71	2%/10W	**17.79**	12.020/0.756	11.768/0.005	3.337/0.198	5.041/0.198	5.025/0.049	**11.03**	**62.01%**
0.236	**0.6537**	19.16	5%	**35.47**	12.019/1.887	12.111/0.012	3.337/0.496	5.040/0.496	5.020/0.124	**27.58**	**77.77%**
0.350	**0.8124**	16.45	10%	**65.40**	12.019/3.773	12.166/0.025	3.338/0.992	5.039/0.992	5.013/0.247	**55.17**	**84.36%**
0.588	**0.9181**	13.09	20%	**124.07**	12.017/7.543	12.155/0.049	3.340/1.981	5.040/1.981	4.998/0.494	**110.29**	**88.89%**
1.363	**0.9719**	7.99	50%	**304.72**	12.009/18.854	12.122/0.124	3.343/4.956	5.035/4.956	4.952/1.235	**275.51**	**90.41%**
2.754	**0.9916**	2.89	100%	**628.14**	12.010/37.701	12.138/0.247	3.350/9.916	5.020/9.915	4.871/2.468	**550.66**	**87.67%**

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		
0.120	0.0035	1.80	0mA	**0.10**	**Vampire Load**		
0.120	**0.0147**	5.03	45mA	**0.40**	5.024/0.045	**0.23**	**56.40%**
0.120	**0.0247**	8.48	90mA	**0.68**	5.023/0.090	**0.45**	**66.00%**
0.128	**0.1152**	34.02	550mA	**3.41**	5.010/0.550	**2.76**	**80.92%**
0.142	**0.1851**	50.83	1A	**6.05**	4.997/1.000	**5.00**	**82.56%**
0.161	**0.2411**	62.65	1.5A	**8.97**	4.983/1.500	**7.47**	**83.37%**
0.234	**0.3352**	79.23	3A	**18.03**	4.940/3.000	**14.82**	**82.21%**

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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