

80 PLUS Verification and Testing Report

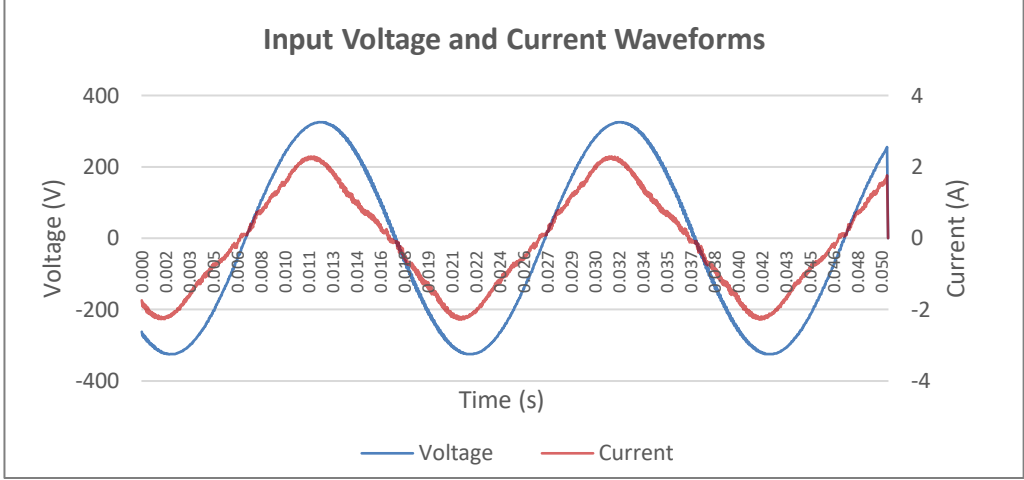
TYPICAL EFFICIENCY (50% Load):	87.19%
AVERAGE EFFICIENCY :	78.88%
AVERAGE STANDBY EFFICIENCY :	66.79%
80 PLUS COMPLIANT:	Standard



ID Number	EU-1180
Manufacturer	Gamer Storm
Model Number	PF550L-HE
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	3/4/25

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.



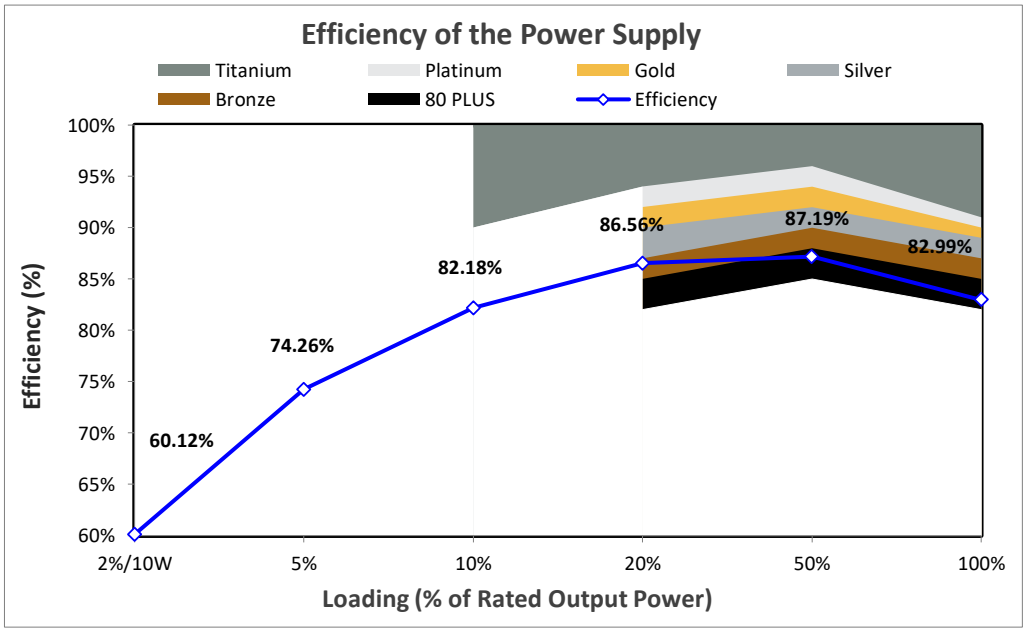
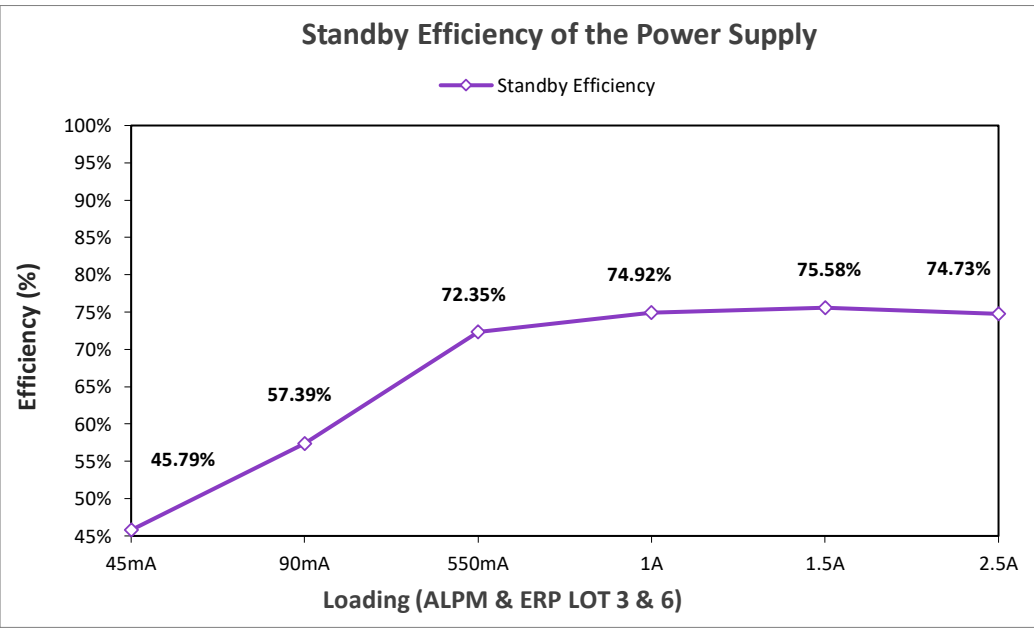
Input AC Current Waveform (ITHD = 11.56%, 50% Load)

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		
0.080	0.1685	16.91	0%	3.11	No-Load						
0.180	0.4502	54.34	2%/10W	18.59	12.166/0.747	11.725/0.005	3.402/0.214	5.135/0.214	5.085/0.044	11.18	60.12%
0.295	0.5538	52.82	5%	37.63	12.170/1.865	11.759/0.013	3.399/0.534	5.129/0.534	5.080/0.111	27.95	74.26%
0.358	0.8258	40.14	10%	68.00	12.172/3.729	11.780/0.027	3.394/1.066	5.121/1.067	5.072/0.222	55.89	82.18%
0.601	0.9335	21.87	20%	129.00	12.166/7.454	11.807/0.053	3.383/2.135	5.108/2.136	5.056/0.444	111.66	86.56%
1.411	0.9819	11.56	50%	318.67	12.116/18.630	11.884/0.133	3.356/5.341	5.073/5.342	5.005/1.109	277.83	87.19%
2.961	0.9764	17.30	100%	665.13	12.056/37.255	12.087/0.266	3.316/10.683	5.006/10.684	4.915/2.217	551.99	82.99%

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						
0.071	0.0136	2.79	0mA	0.22	Vampire Load						
0.071	0.0305	8.89	45mA	0.50	5.094/0.045					0.23	45.79%
0.072	0.0482	15.02	90mA	0.80	5.093/0.090					0.46	57.39%
0.087	0.1928	54.84	550mA	3.86	5.082/0.550					2.80	72.35%
0.109	0.2692	71.33	1A	6.77	5.069/1.000					5.07	74.92%
0.138	0.3160	79.77	1.5A	10.04	5.057/1.500					7.59	75.58%
0.200	0.3653	86.04	2.5A	16.86	5.033/2.503					12.60	74.73%

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. <https://www.clearesult.com/80plus/> [clearesult.com]