

80 PLUS Verification and Testing Report

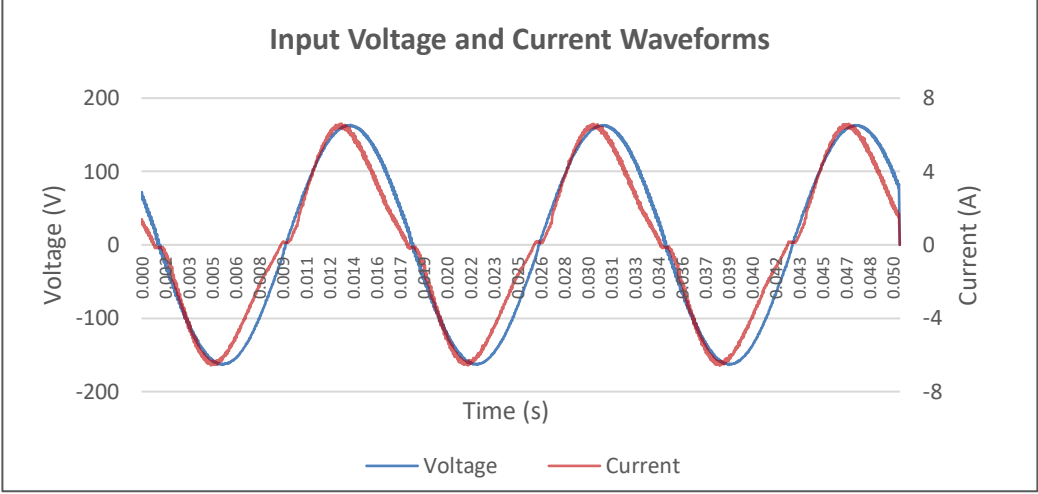
TYPICAL EFFICIENCY (50% Load):	91.52%
AVERAGE EFFICIENCY :	88.10%
80 PLUS COMPLIANT:	Gold



ID Number	7663
Manufacturer	Gamer Storm
Model Number	PN850M (PN850M-FC)
Serial Number	N/A
Type	ATX 3.1
Test Date	11/22/24

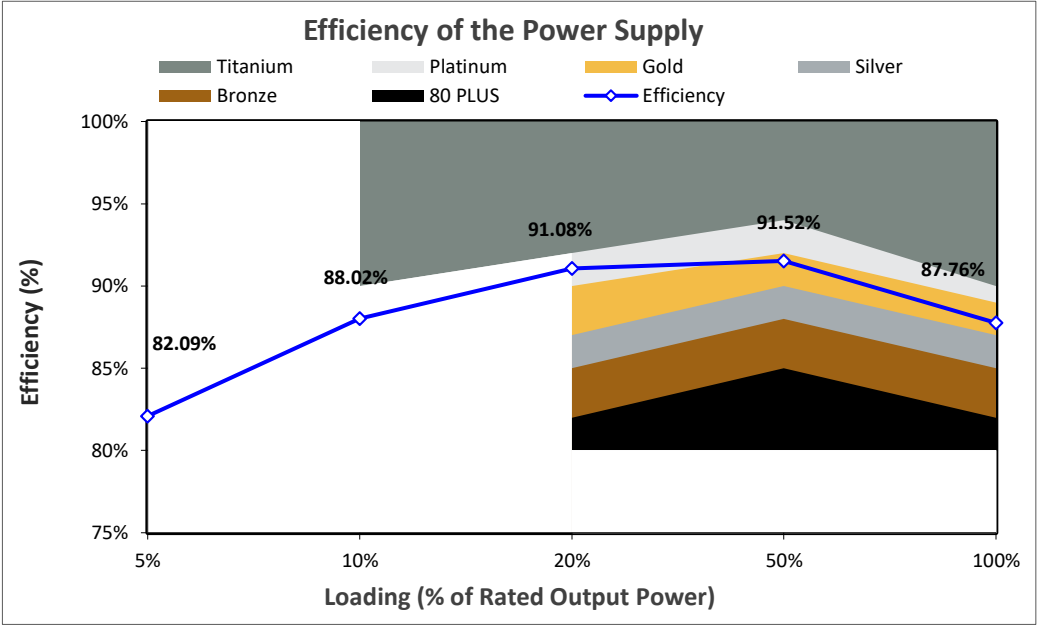
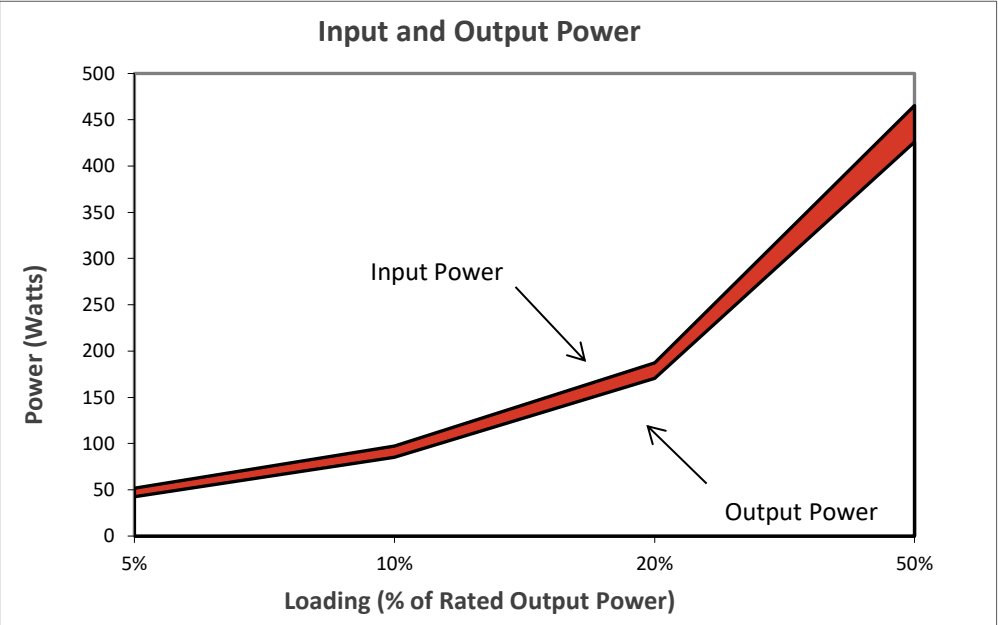
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 14.22%, 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		
0.086	0.0054	1.54	0%	0.05	No-Load						
0.489	0.9250	14.99	5%	52.01	12.05/3.08	11.84/0.013	3.36/0.58	5.02/0.58	5.09/0.131	42.70	82.09%
0.877	0.9621	14.65	10%	97.01	12.04/6.15	11.67/0.026	3.36/1.16	5.02/1.16	5.09/0.262	85.38	88.02%
1.665	0.9780	14.90	20%	187.35	12.03/12.3	11.55/0.052	3.36/2.31	5.02/2.31	5.07/0.523	170.64	91.08%
4.120	0.9816	14.22	50%	465.35	12.01/30.75	11.54/0.131	3.36/5.78	5.03/5.78	5.02/1.308	425.91	91.52%
8.507	0.9872	11.99	100%	966.41	11.96/61.49	11.79/0.262	3.36/11.56	5.05/11.56	4.93/2.616	848.15	87.76%



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. <http://www.80plus.org/>