80 PLUS Verification and Testing Report

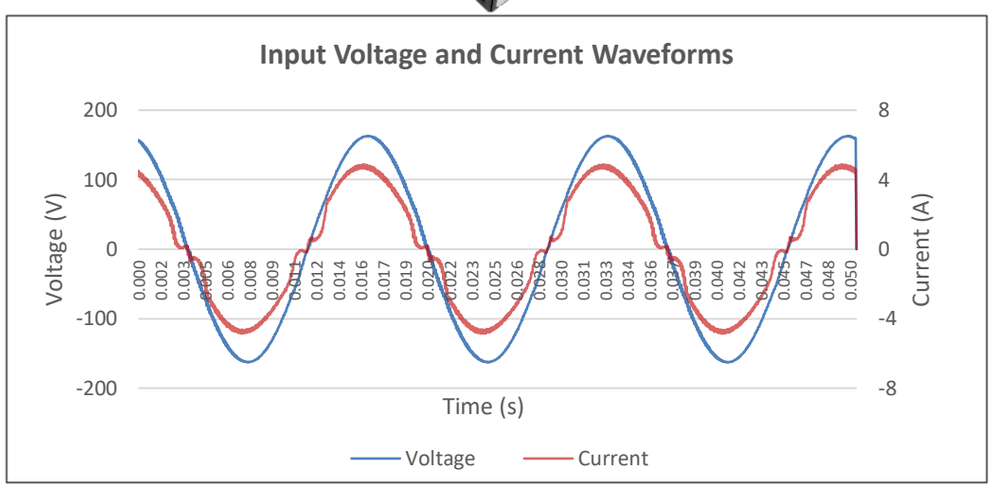
TYPICAL EFFICIENCY (50% Load):	**86.78%**
AVERAGE EFFICIENCY :	**82.04%**
80 PLUS COMPLIANT:	**Bronze**



ID Number	7633.1
Manufacturer	G-storm
Model Number	Aero 650W
Serial Number	N/A
Type	ATX12V
Test Date	11/6/24

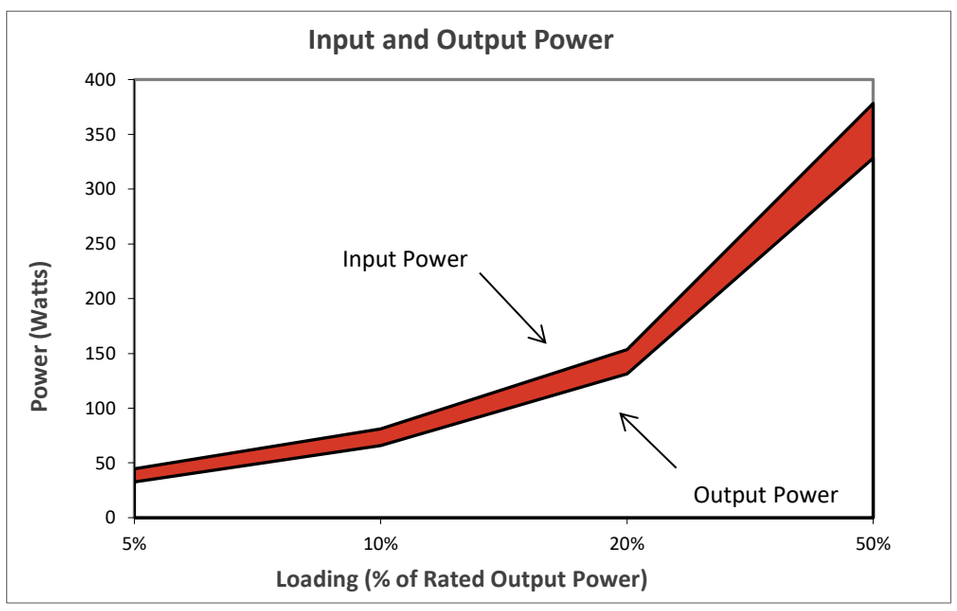
Rated Specifications	Value	Units
Input Voltage	100-240	**Volts**
Input Current	10-5	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	650	**Watts**

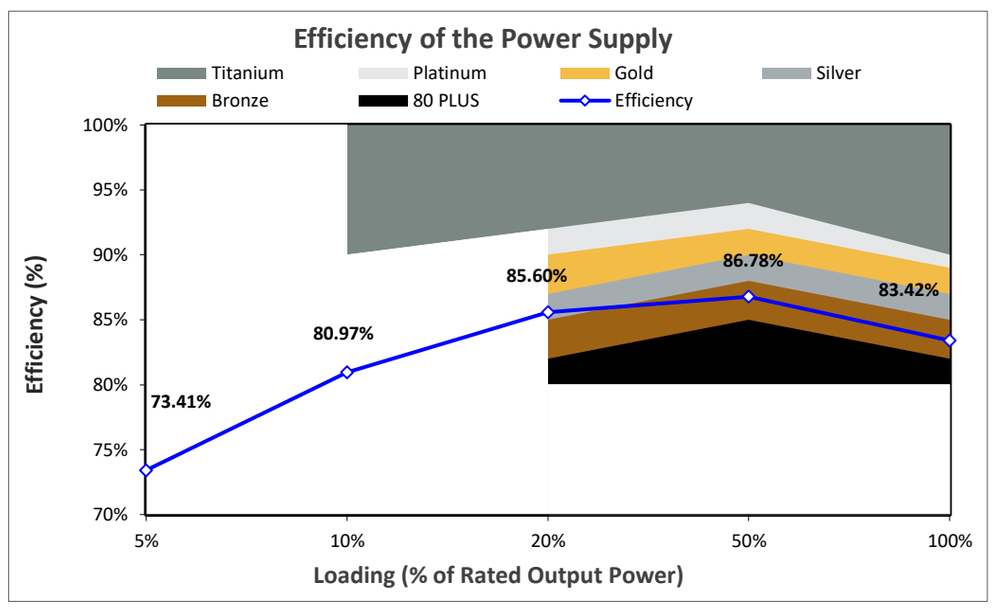
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 9.63%, 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		
0.132	0.2780	39.25	0%	**4.21**	**No-Load**						
0.427	**0.9089**	29.18	5%	**44.61**	12.03/2.2	11.88/0.013	3.34/0.64	5.21/0.64	5.13/0.132	**32.75**	**73.41%**
0.731	**0.9641**	18.54	10%	**81.12**	12.08/4.4	11.93/0.026	3.34/1.27	5.19/1.27	5.13/0.264	**65.68**	**80.97%**
1.405	**0.9507**	27.77	20%	**153.58**	12.1/8.8	11.96/0.053	3.33/2.54	5.18/2.54	5.12/0.528	**131.47**	**85.60%**
3.312	**0.9926**	9.63	50%	**378.19**	12.09/22	12/0.132	3.32/6.36	5.15/6.36	5.09/1.32	**328.18**	**86.78%**
6.838	**0.9975**	5.15	100%	**784.48**	12.07/44	12.11/0.264	3.29/12.72	5.11/12.72	5.03/2.64	**654.42**	**83.42%**





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/