

80 PLUS Verification and Testing Report

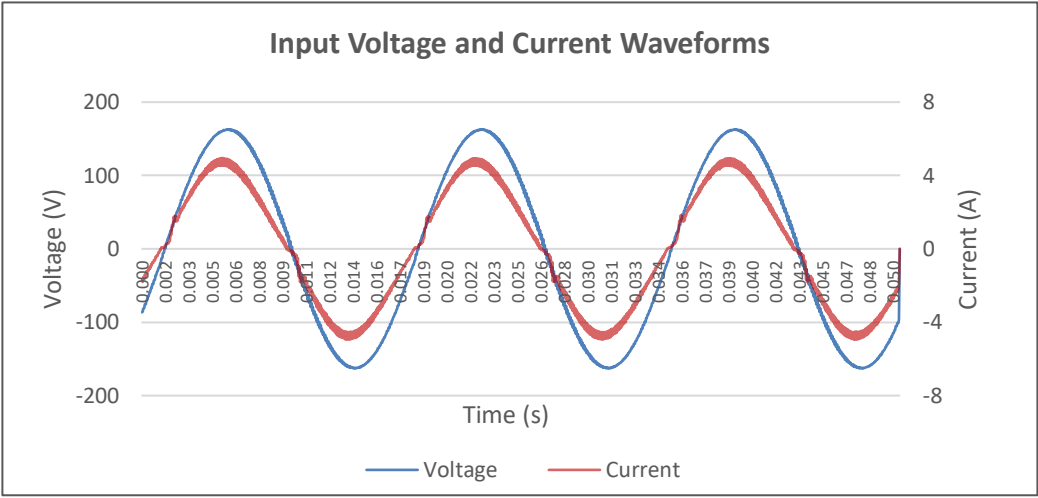
TYPICAL EFFICIENCY (50% Load):	90.58%
AVERAGE EFFICIENCY :	84.93%
80 PLUS COMPLIANT:	Gold



ID Number	7579
Manufacturer	Gamer Storm
Model Number	PQ650G (PQ650G-FD)
Serial Number	N/A
Type	ATX12V
Test Date	9/19/24

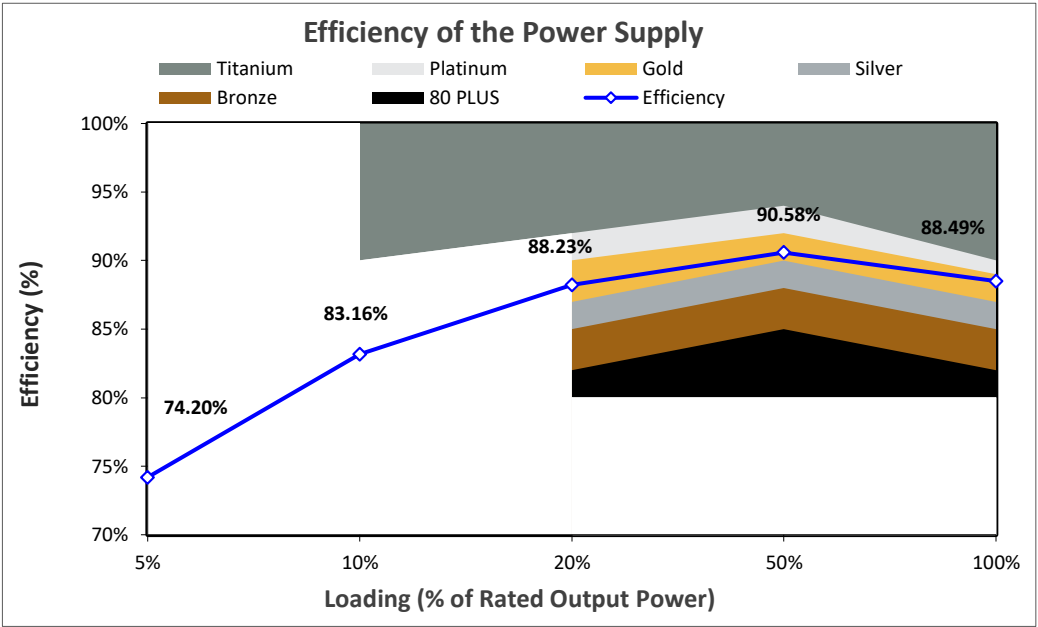
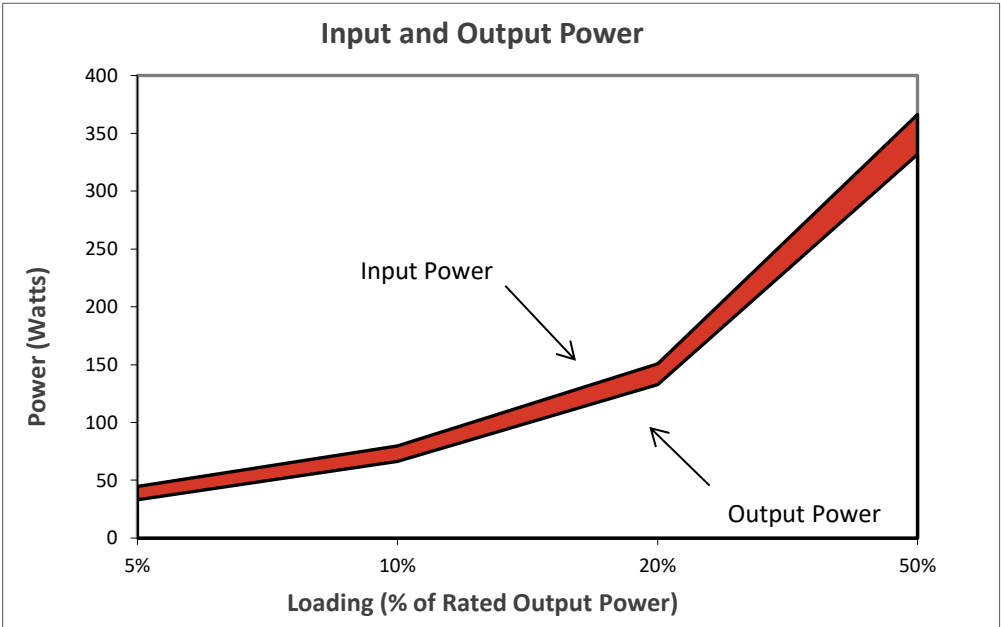
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 6.09%, 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		
0.143	0.6052	27.13	0%	9.96	No-Load						
0.411	0.9464	11.40	5%	44.79	12.28/2.3	12.02/0.013	3.33/0.51	5.1/0.51	5.15/0.106	33.23	74.20%
0.710	0.9786	8.61	10%	79.90	12.28/4.6	11.9/0.026	3.33/1.03	5.1/1.02	5.14/0.213	66.45	83.16%
1.346	0.9728	9.76	20%	150.58	12.28/9.19	11.75/0.051	3.33/2.05	5.1/2.05	5.13/0.425	132.85	88.23%
3.213	0.9915	6.09	50%	366.24	12.27/22.97	11.58/0.128	3.32/5.12	5.1/5.12	5.1/1.064	331.75	90.58%
6.534	0.9961	4.70	100%	748.57	12.25/45.94	11.74/0.255	3.29/10.25	5.1/10.25	5.04/2.126	662.41	88.49%



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/>