

80 PLUS Verification and Testing Report

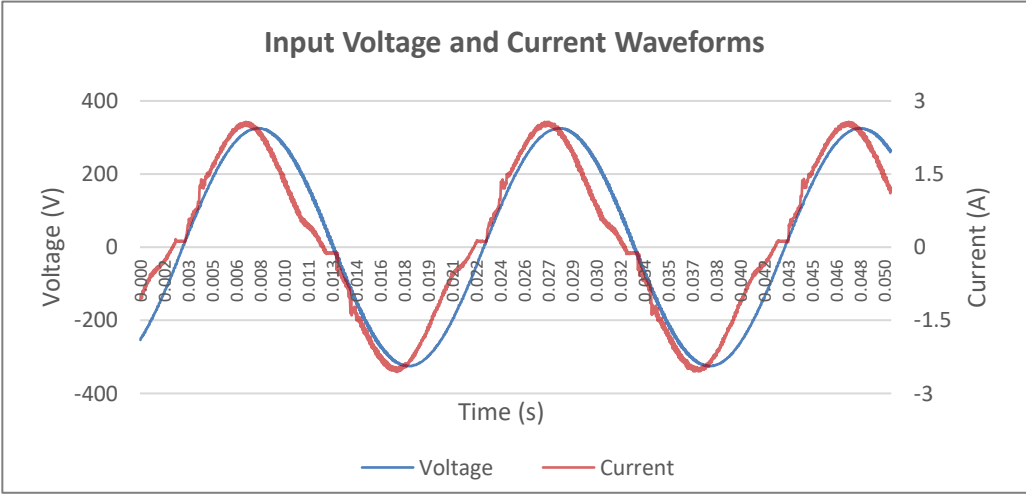
TYPICAL EFFICIENCY (50% Load):	91.39%
AVERAGE EFFICIENCY :	85.76%
80 PLUS COMPLIANT:	Silver



ID Number	EU-1027
Manufacturer	Gigabyte
Model Number	GP-P650SS ICE
Serial Number	N/A
Type	ATX12V
Test Date	3/25/24

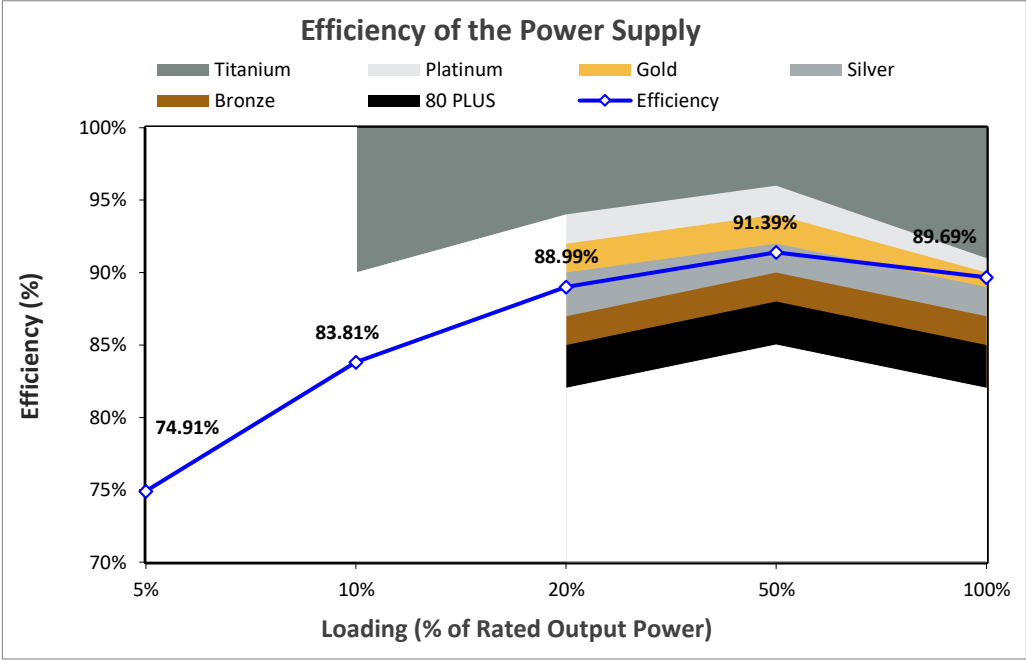
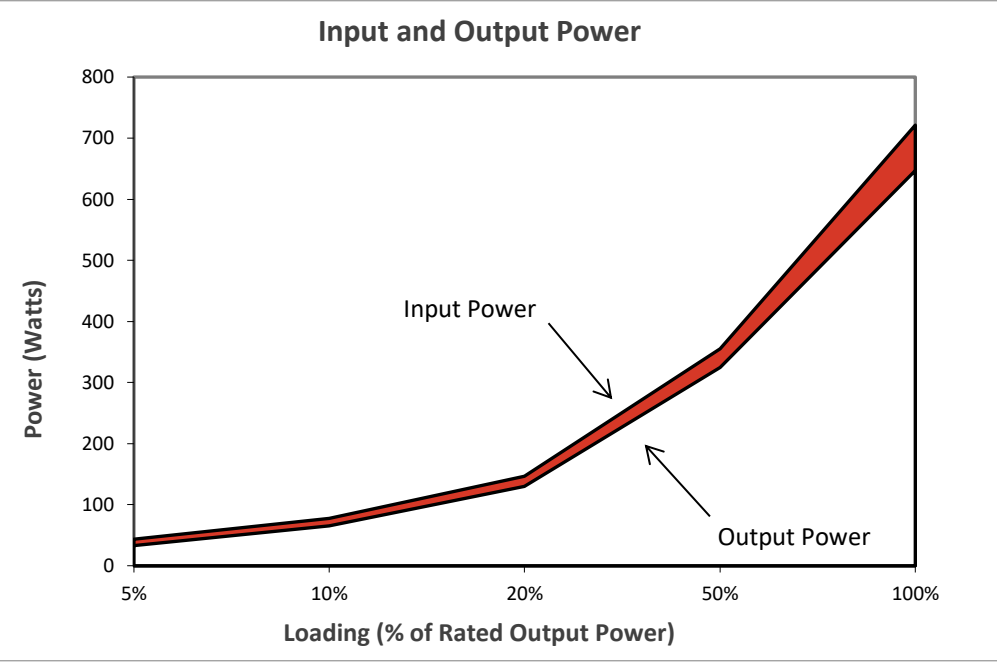
Rated Specifications	Value	Units
Input Voltage	155-240	Volts
Input Current	6.3	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 13.79%, 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	5Vstb		
0.155	0.2484	30.49	0%	8.84	No-Load						
0.318	0.5944	28.57	5%	43.46	11.99/2.29	11.86/0.013	3.37/0.51	5.07/0.51	5.11/0.127	32.56	74.91%
0.446	0.7574	24.46	10%	77.67	11.98/4.58	11.74/0.025	3.36/1.02	5.07/1.02	5.11/0.254	65.10	83.81%
0.711	0.8933	14.86	20%	146.19	11.98/9.16	11.67/0.051	3.36/2.04	5.06/2.04	5.09/0.508	130.09	88.99%
1.606	0.9613	13.79	50%	355.09	11.96/22.9	11.83/0.127	3.33/5.1	5.04/5.1	5.05/1.27	324.53	91.39%
3.207	0.9778	12.63	100%	721.35	11.93/45.8	12.21/0.254	3.3/10.2	5/10.2	4.99/2.539	646.96	89.69%



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/>