

80 PLUS Verification and Testing Report

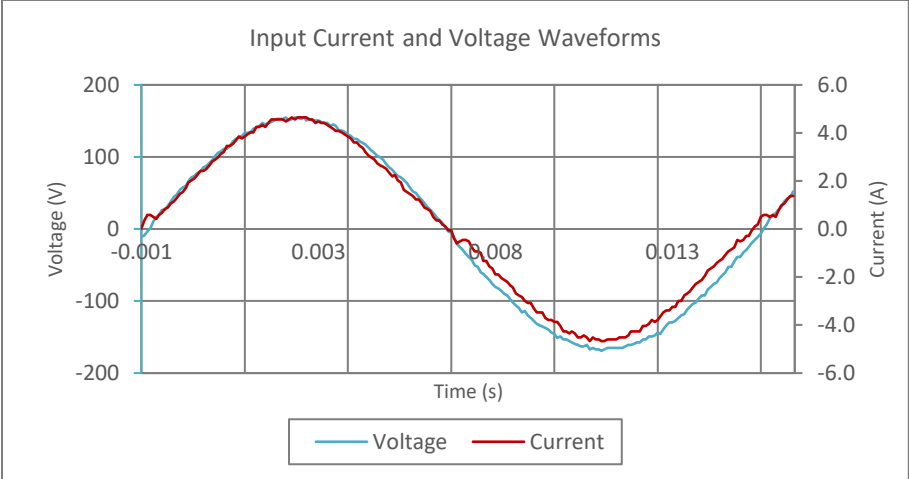
TYPICAL EFFICIENCY (50% Load):	90.99%
AVERAGE EFFICIENCY :	89.61%
80 PLUS COMPLIANT:	YES



ID Number	5569
Manufacturer	EVGA Corporation
Model Number	650 G5
Serial Number	N/A
Year	2019
Type	ATX12V,EPS12V
Test Date	6/11/19

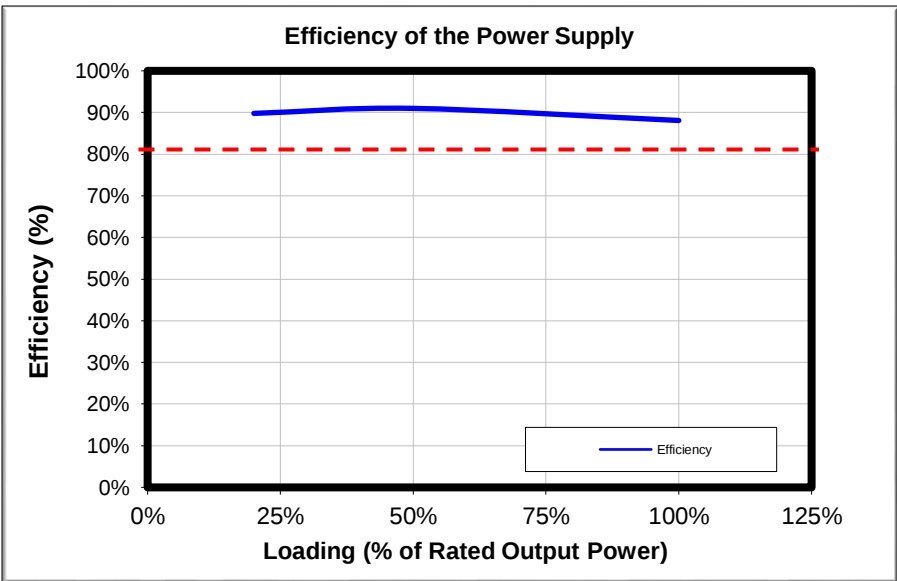
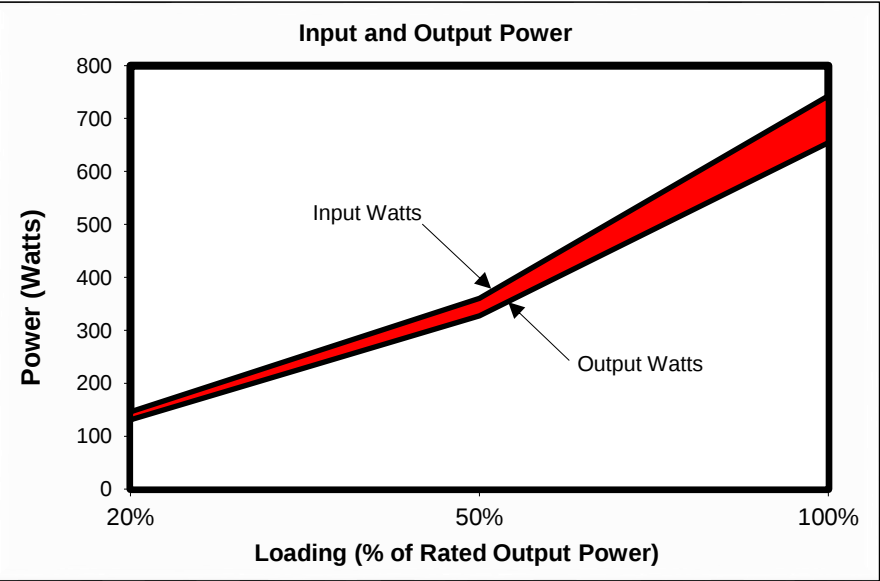
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	60/50	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 5.51%, 50% Load)

I _{RMS}	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		
0.69	0.97	21.83%	10%	76.90	12.05/4.47	11.91/0.04	3.35/1.19	5.04/1.19	5.04/0.25	65.61	85.32%
1.28	0.99	13.33%	20%	145.70	12.05/8.92	11.92/0.08	3.35/2.38	5.04/2.37	5.03/0.49	130.80	89.77%
3.14	1.00	5.51%	50%	360.10	12.04/22.35	11.92/0.21	3.37/5.96	5.04/5.9	5.03/1.23	327.65	90.99%
6.47	1.00	3.09%	100%	743.00	12.03/44.69	11.92/0.41	3.39/11.9	5.05/11.77	5.01/2.47	654.45	88.08%



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/>

