

80 PLUS Verification and Testing Report

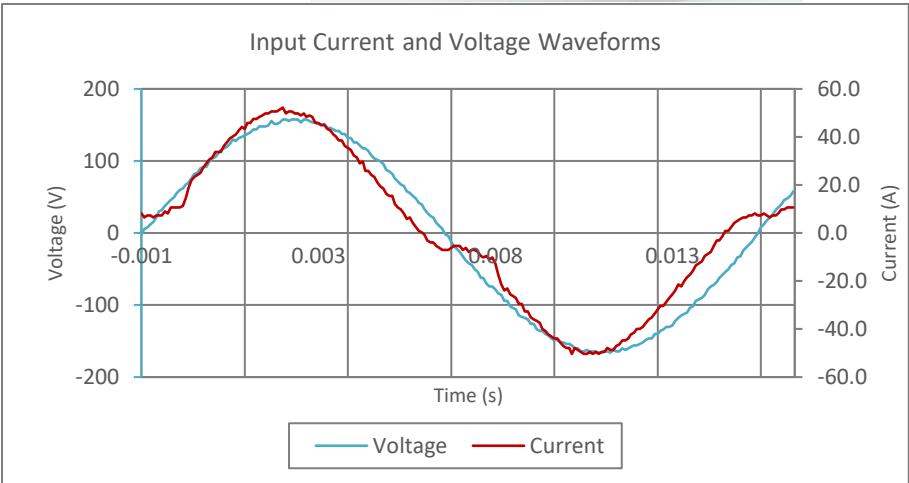
TYPICAL EFFICIENCY (50% Load):	90.70%
AVERAGE EFFICIENCY :	89.77%
80 PLUS COMPLIANT:	YES



ID Number	6353
Manufacturer	EVGA Corporation
Model Number	650 G6
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/29/21

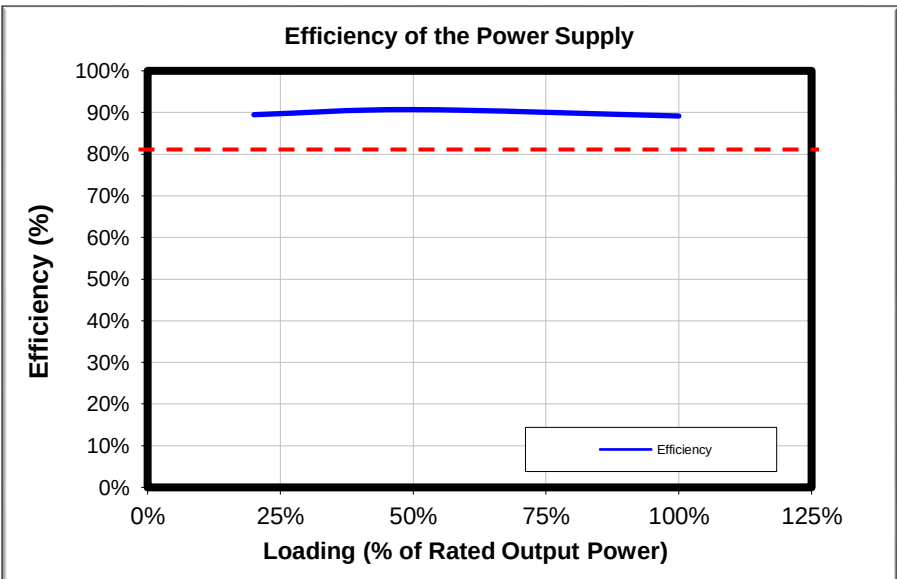
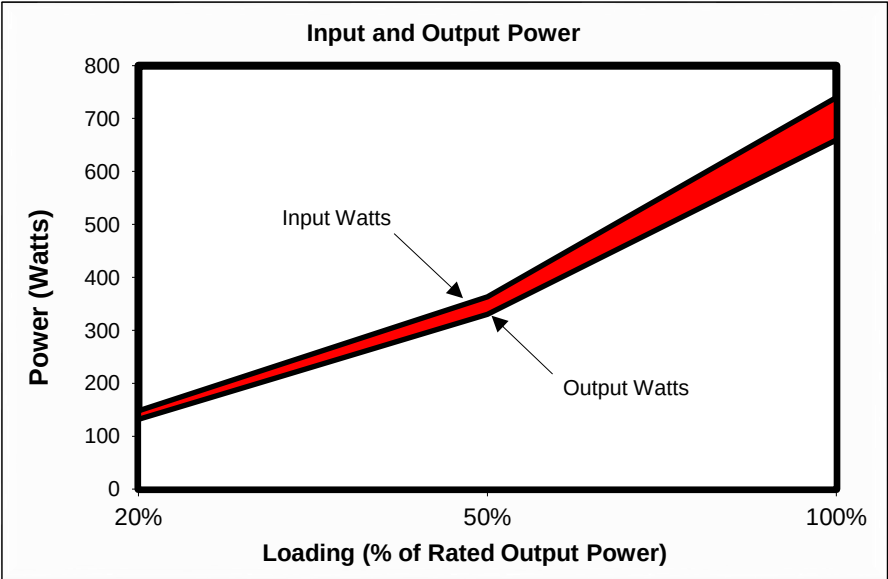
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	60/50	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 16.76%, 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		
0.73	0.95	22.08%	10%	79.46	12.07/4.47	12.01/0.04	3.36/1.19	5.05/1.19	5.1/0.25	65.72	82.71%
1.32	0.97	19.04%	20%	147.56	12.15/8.94	12.02/0.08	3.37/2.38	5.05/2.37	5.09/0.49	132.02	89.47%
3.23	0.98	16.76%	50%	363.70	12.13/22.36	12.03/0.21	3.39/5.96	5.04/5.9	5.05/1.23	329.86	90.70%
6.52	0.99	13.67%	100%	739.90	12.14/44.67	12.05/0.41	3.41/11.91	5.06/11.77	5/2.47	659.64	89.15%



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/>