

# 80 PLUS Verification and Testing Report

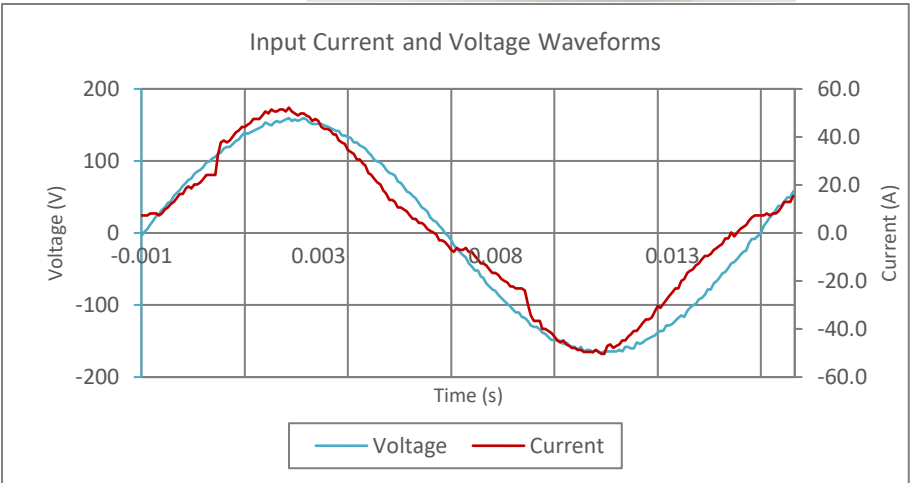
TYPICAL EFFICIENCY (50% Load):	92.46%
AVERAGE EFFICIENCY :	91.49%
80 PLUS COMPLIANT:	YES



ID Number	6354
Manufacturer	EVGA Corporation
Model Number	650 P6
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	1/29/21

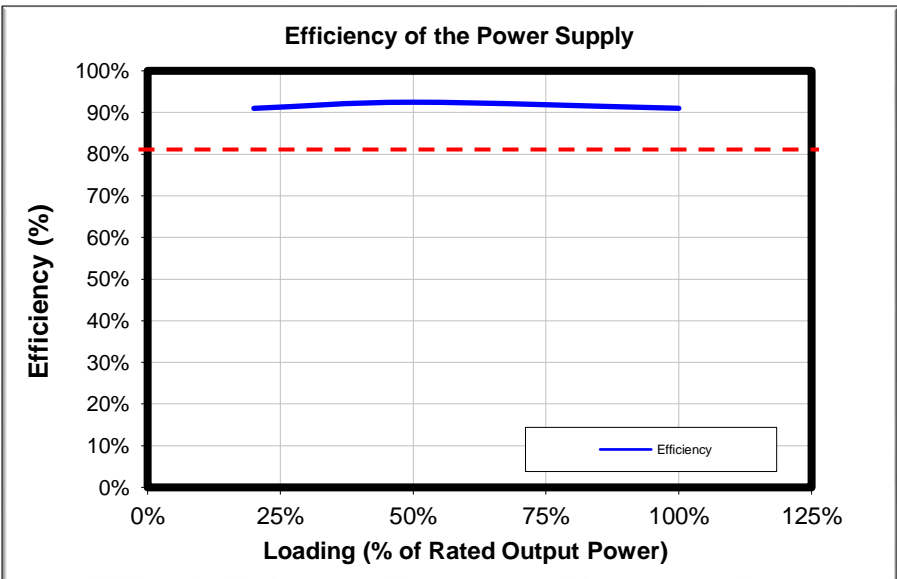
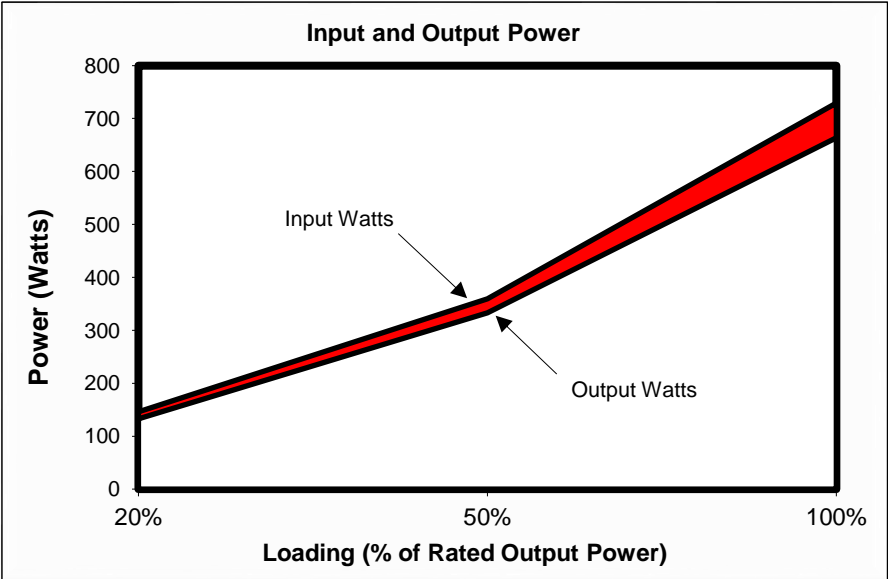
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	60/50	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 15.46%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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		
0.70	0.95	18.11%	10%	76.67	12.24/4.47	11.84/0.04	3.34/1.19	5.05/1.19	5.12/0.25	66.47	86.70%
1.30	0.97	16.17%	20%	145.93	12.24/8.94	11.86/0.08	3.34/2.38	5.05/2.37	5.1/0.49	132.79	90.99%
3.19	0.98	15.46%	50%	359.90	12.26/22.36	11.87/0.21	3.4/5.96	5.04/5.9	5.06/1.23	332.77	92.46%
6.43	0.99	13.55%	100%	729.40	12.23/44.67	11.89/0.41	3.41/11.91	5.06/11.77	5/2.47	663.78	91.00%



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/>