

80 PLUS Verification and Testing Report

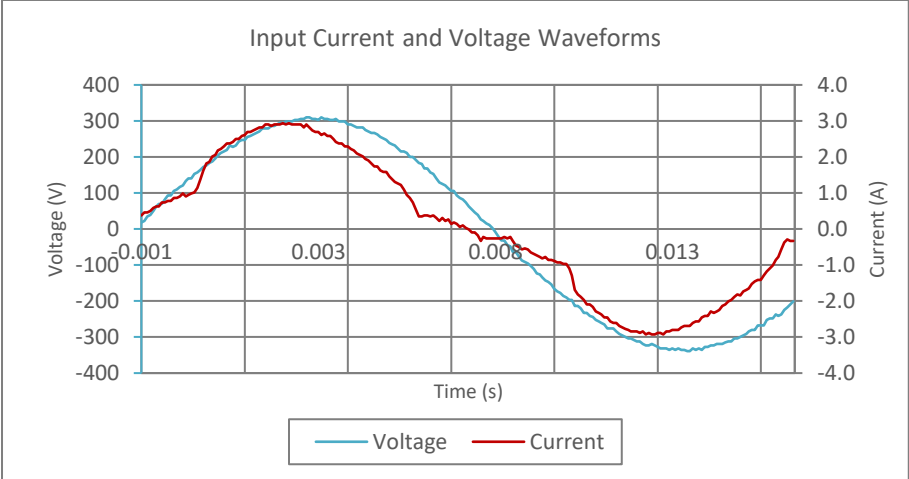
TYPICAL EFFICIENCY (50% Load):	87.75%
AVERAGE EFFICIENCY :	86.09%
80 PLUS COMPLIANT:	YES



ID Number	EU-595
Manufacturer	Enermax Technology Corporation
Model Number	EMP700AGT-C
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	10/15/19

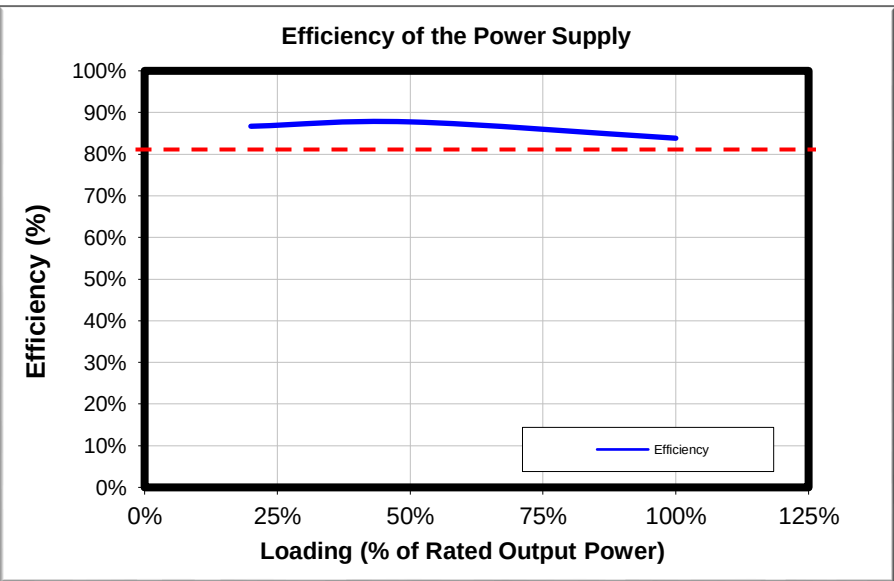
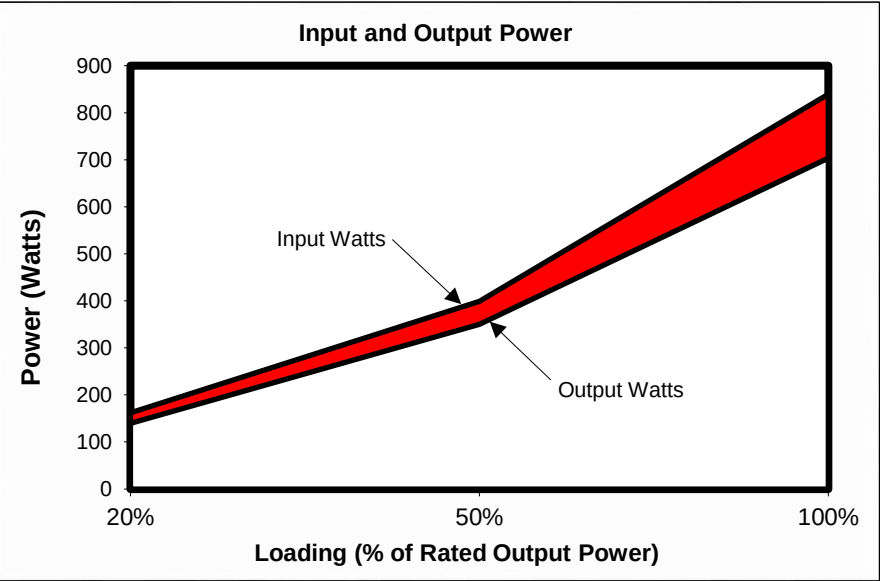
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	47-63	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 20.53%, 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		
0.47	0.78	45.18%	10%	85.05	11.89/4.82	11.45/0.02	3.36/1.3	5.11/1.3	5.13/0.21	69.67	81.92%
0.84	0.84	39.06%	20%	161.74	11.96/9.66	11.53/0.05	3.36/2.6	5.07/2.59	5.12/0.42	140.21	86.69%
1.81	0.96	20.53%	50%	399.20	11.95/24.22	11.63/0.12	3.33/6.52	5.03/6.45	5.07/1.04	350.29	87.75%
3.74	0.98	17.05%	100%	839.30	12.07/48.38	11.83/0.25	3.27/13.04	4.95/12.89	5.01/2.08	703.51	83.82%



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/>

