

80 PLUS Verification and Testing Report

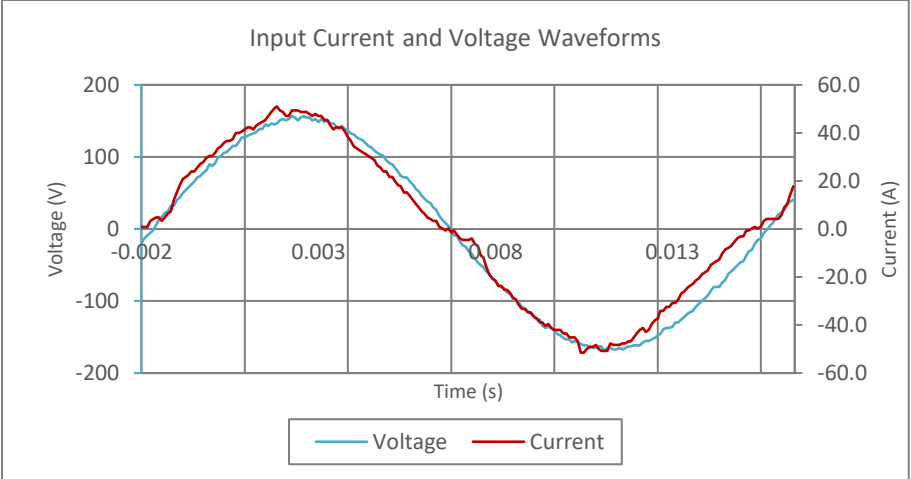
TYPICAL EFFICIENCY (50% Load):	88.64%
AVERAGE EFFICIENCY :	86.86%
80 PLUS COMPLIANT:	YES



ID Number	6005
Manufacturer	Enermax Technology Corporation
Model Number	EMB650AWT
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	6/26/20

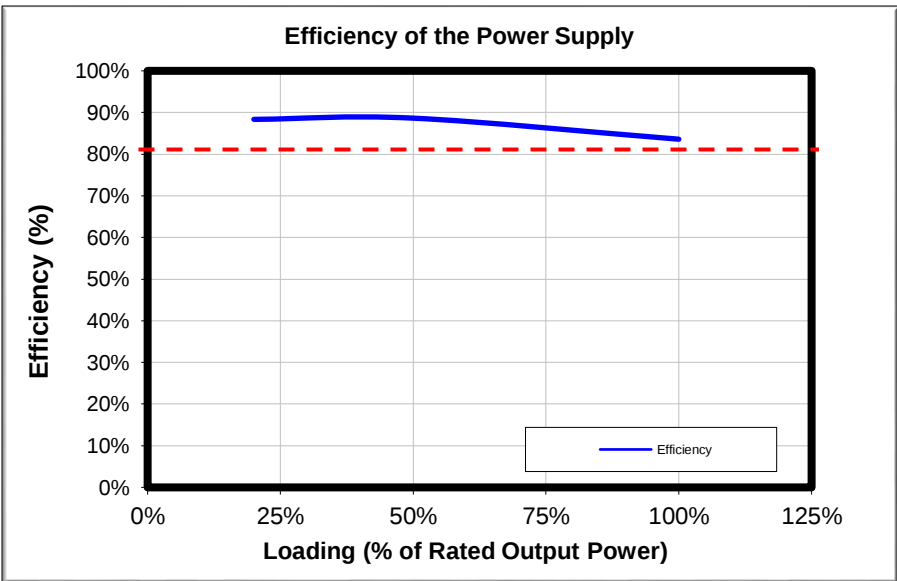
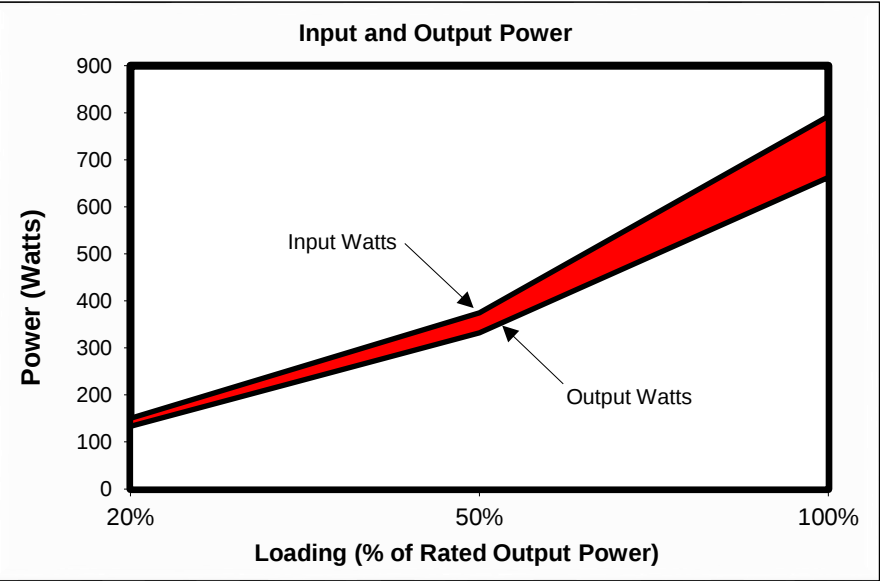
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	6/12	Amps
Input Frequency	50/60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 8.37%, 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		
0.70	0.98	16.15%	10%	78.51	12.25/4.42	11.62/0.02	3.4/1.28	5.08/1.28	5.17/0.2	66.26	84.39%
1.36	0.96	19.86%	20%	150.56	12.24/8.88	11.59/0.05	3.39/2.56	5.08/2.55	5.17/0.41	133.02	88.35%
3.28	0.99	8.37%	50%	374.80	12.22/22.22	11.62/0.12	3.39/6.41	5.07/6.36	5.18/1.02	332.24	88.64%
6.91	1.00	3.03%	100%	792.50	12.19/44.38	11.72/0.25	3.38/12.84	5.07/12.69	5.17/2.05	662.44	83.59%



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/>

