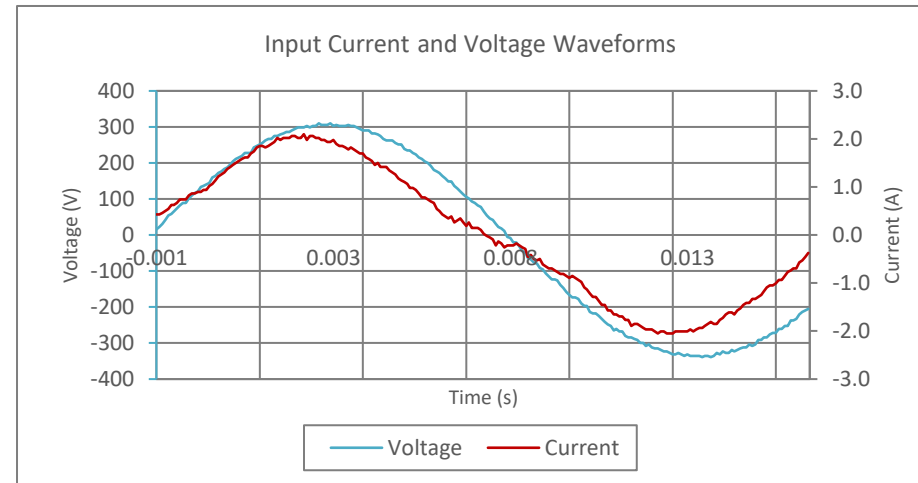


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>87.49%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>86.01%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-593
<b>Manufacturer</b>	Enermax Technology Corporation
<b>Model Number</b>	EMP500AGT-C
<b>Serial Number</b>	N/A
<b>Year</b>	2019
<b>Type</b>	ATX12V
<b>Test Date</b>	10/14/19

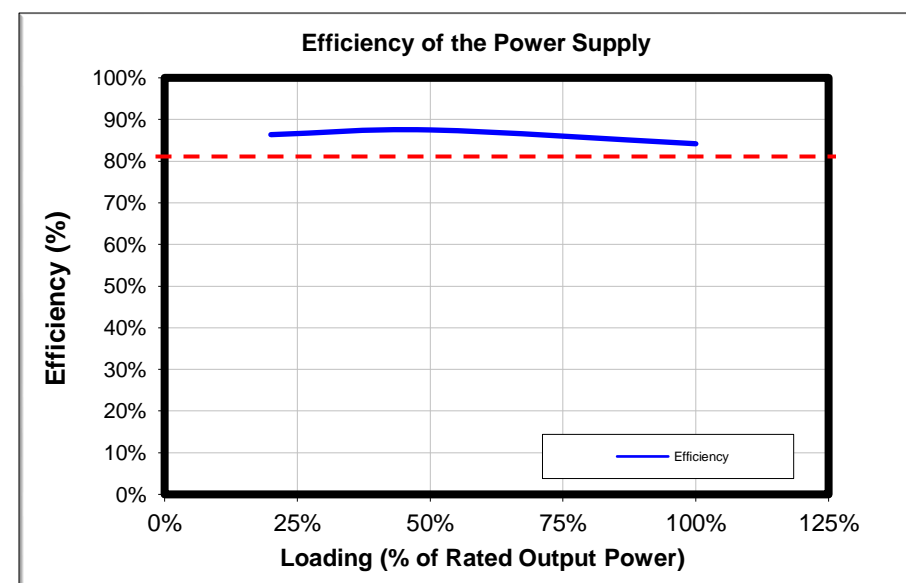
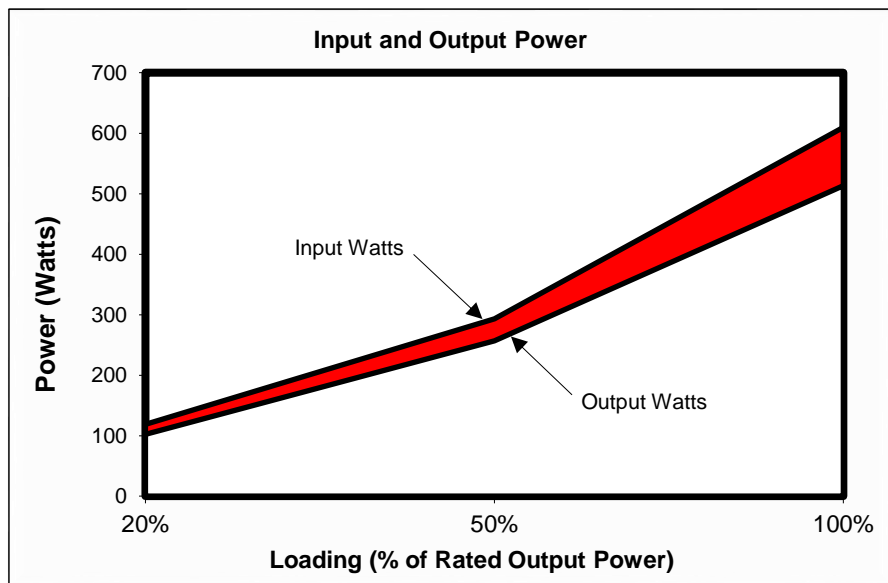


Input AC Current Waveform (ITHD = 12.94%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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

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		
0.40	0.68	55.86%	10%	62.83	12.3/3.32	11.77/0.02	3.36/1.07	5.05/1.07	5.13/0.2	51.07	81.29%
0.57	0.91	24.47%	20%	118.61	12.31/6.65	11.76/0.05	3.35/2.14	5.03/2.13	5.12/0.4	102.43	86.36%
1.31	0.97	12.94%	50%	292.90	12.33/16.65	11.82/0.12	3.32/5.36	5/5.31	5.08/1.01	256.25	87.49%
2.70	0.98	14.08%	100%	609.60	12.39/33.29	11.91/0.24	3.29/10.73	4.94/10.62	5.02/2.02	513.13	84.18%



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/>

