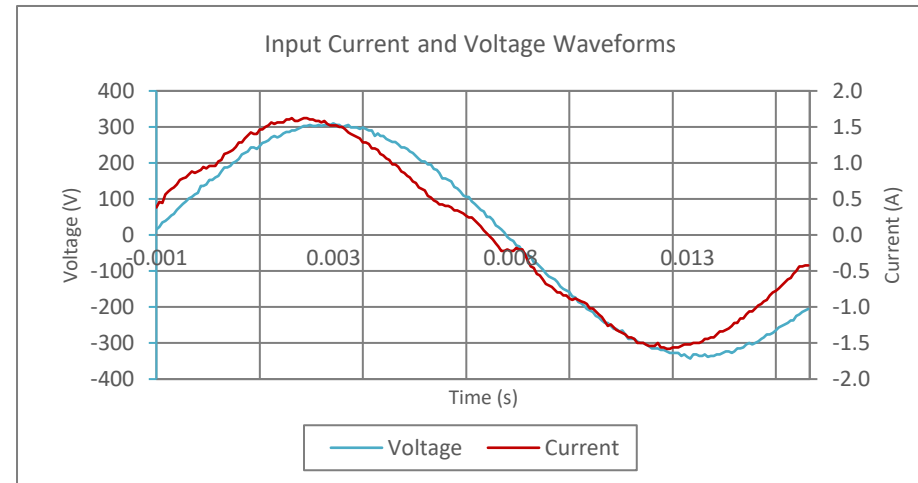


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>87.06%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>85.45%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                                |
|----------------------|--------------------------------|
| <b>ID Number</b>     | EU-602                         |
| <b>Manufacturer</b>  | Enermax Technology Corporation |
| <b>Model Number</b>  | EMP400AGT-C                    |
| <b>Serial Number</b> | N/A                            |
| <b>Year</b>          | 2019                           |
| <b>Type</b>          | ATX12V                         |
| <b>Test Date</b>     | 10/14/19                       |

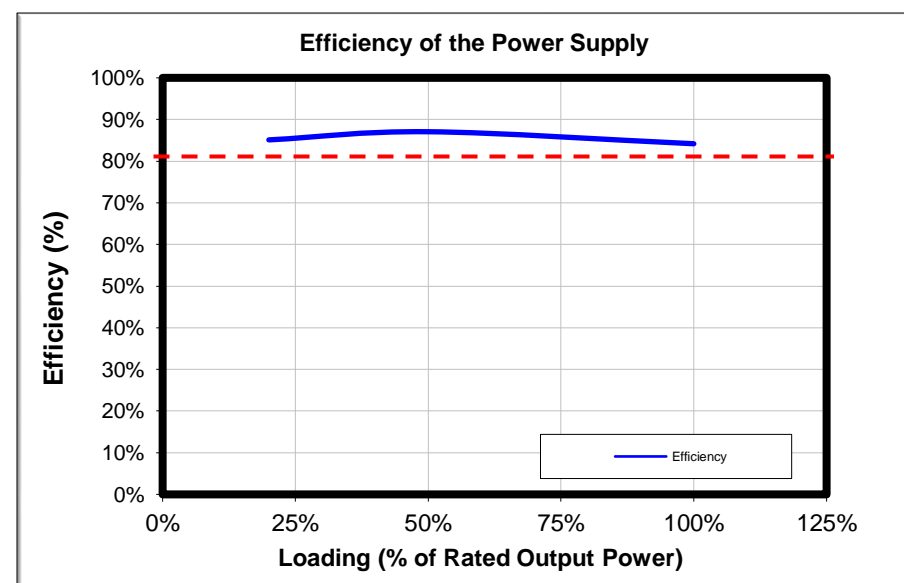
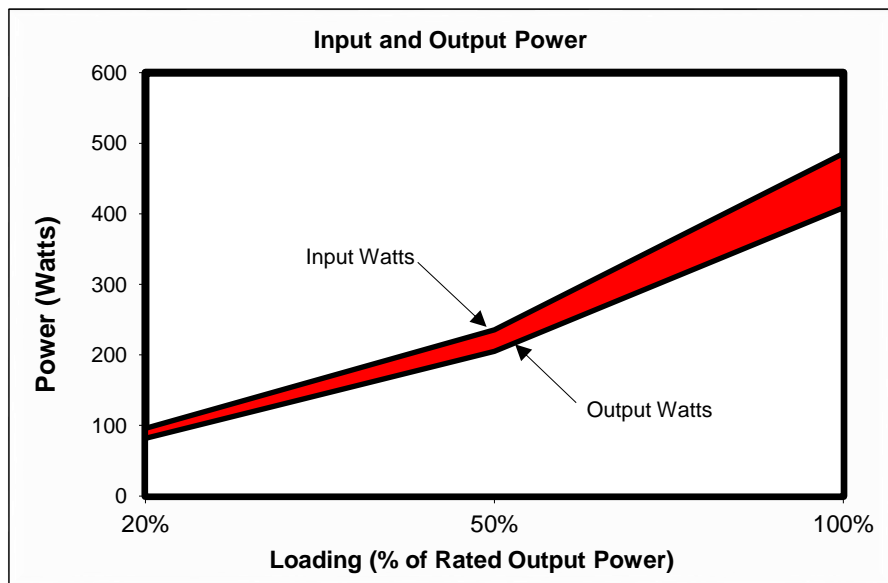


Input AC Current Waveform (ITHD = 8.45%, 50% Load)

| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 200-240    | Volts        |
| Input Current             | 3          | Amps         |
| Input Frequency           | 47-63      | Hz           |
| <b>Rated Output Power</b> | <b>400</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      |              |            |
| 0.36             | 0.62 | 58.73%           | 10%  | 51.61       | 12.31/2.59                                   | 11.8/0.02  | 3.36/0.94 | 5.06/0.94 | 5.12/0.2  | 41.01        | 79.46%     |
| 0.50             | 0.84 | 38.94%           | 20%  | 96.32       | 12.31/5.16                                   | 11.79/0.05 | 3.36/1.88 | 5.05/1.87 | 5.11/0.39 | 81.97        | 85.10%     |
| 1.05             | 0.98 | 8.45%            | 50%  | 235.48      | 12.3/12.97                                   | 11.82/0.12 | 3.34/4.7  | 5.03/4.67 | 5.08/0.98 | 205.01       | 87.06%     |
| 2.14             | 0.98 | 12.33%           | 100% | 485.40      | 12.31/25.88                                  | 11.91/0.23 | 3.31/9.42 | 4.99/9.32 | 5.03/1.95 | 408.60       | 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/>

