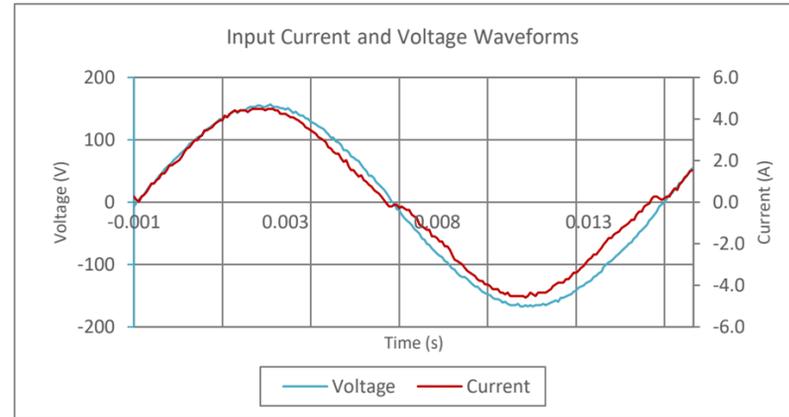


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>87.82%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>86.33%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                                |
|----------------------|--------------------------------|
| <b>ID Number</b>     | 5750.1                         |
| <b>Manufacturer</b>  | Enermax Technology Corporation |
| <b>Model Number</b>  | ECB600AWT                      |
| <b>Serial Number</b> | N/A                            |
| <b>Year</b>          | 2019                           |
| <b>Type</b>          | ATX12V                         |
| <b>Test Date</b>     | 10/31/19                       |

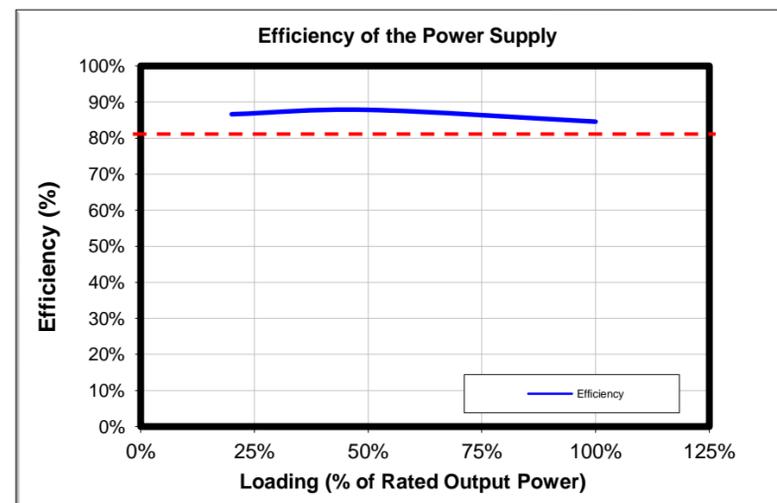
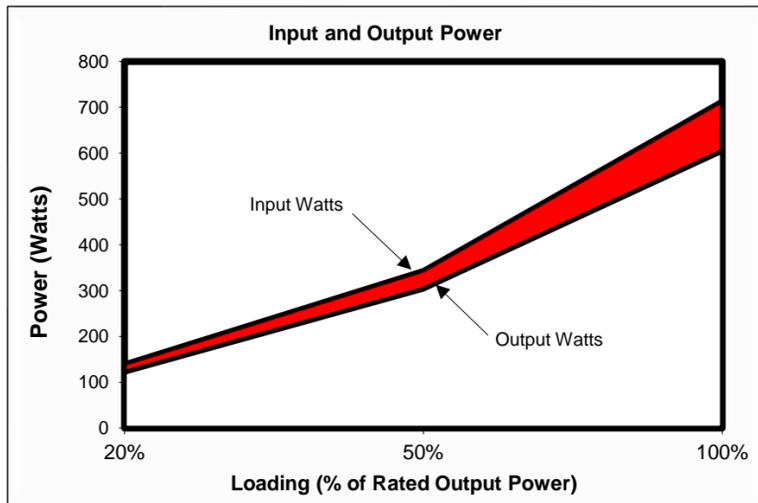


| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 9          | Amps         |
| Input Frequency           | 47-63      | Hz           |
| <b>Rated Output Power</b> | <b>600</b> | <b>Watts</b> |

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

Input AC Current Waveform (ITHD = 8.32%, 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      |              |            |
| 0.65             | 0.98 | 12.39%           | 10%  | 72.79       | 11.99/4.08                                   | 11.66/0.03 | 3.39/1.25  | 5.15/1.12  | 5.09/0.22 | 60.39        | 82.97%     |
| 1.23             | 0.99 | 9.62%            | 20%  | 139.84      | 12.02/8.18                                   | 11.71/0.05 | 3.38/2.5   | 5.13/2.23  | 5.08/0.44 | 121.11       | 86.61%     |
| 3.01             | 1.00 | 8.32%            | 50%  | 344.55      | 12.04/20.43                                  | 11.79/0.13 | 3.36/6.26  | 5.1/5.55   | 5.04/1.11 | 302.59       | 87.82%     |
| 6.25             | 0.99 | 9.99%            | 100% | 714.30      | 12.05/40.83                                  | 11.94/0.27 | 3.34/12.53 | 5.04/11.09 | 4.96/2.21 | 603.94       | 84.55%     |



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/>

