

## 80 PLUS Verification and Testing Report

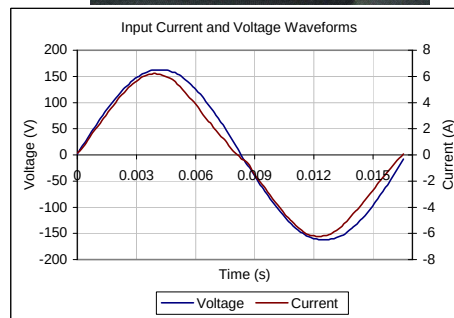
|                                |        |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 85.68% |
| AVERAGE EFFICIENCY :           | 84.16% |
| 80 PLUS COMPLIANT:             | YES    |



|               |                                 |
|---------------|---------------------------------|
| Ecos ID #     | 1345                            |
| Manufacturer  | SEA SONIC ELECTRONICS CO., LTD. |
| Model Number  | SS-400ET                        |
| Serial Number | CN06A51901200                   |
| Year          | 2009                            |
| Type          | ATX12V                          |
| Test Date     | 3/10/2009                       |

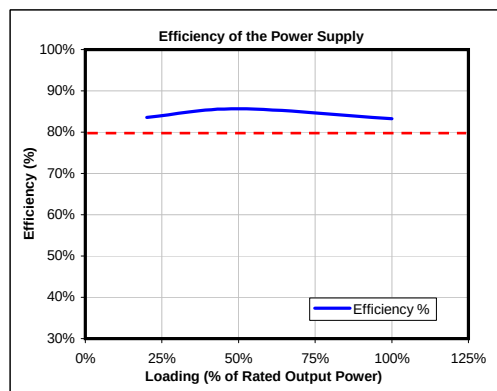
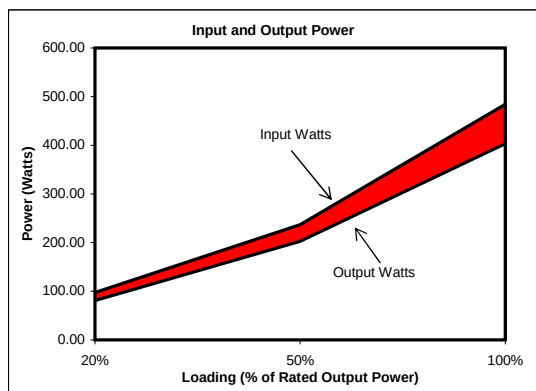
| Rated Specifications | Value   | Units |
|----------------------|---------|-------|
| Input Voltage        | 100-240 | Volts |
| Input Current        | 7       | Amps  |
| Input Frequency      | 50/60   | Hz    |
| Rated Output Power   | 400     | Watts |

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



Input AC Current Waveform (THD = 8.92%, 50% Load)

| I <sub>RMS</sub><br>A | PF     | I <sub>THD</sub> (%) | Load<br>(%) | Fraction<br>of Load | Input<br>Watts | DC Terminal Voltage (V)/ DC Load Current (A) |          |          |         |       | Output<br>Watts | Efficiency<br>% |
|-----------------------|--------|----------------------|-------------|---------------------|----------------|----------------------------------------------|----------|----------|---------|-------|-----------------|-----------------|
|                       |        |                      |             |                     |                | 12V (cumulative of 12V1, 12V2, etc.)         | -12V     | 3.3V     | 5V*     | 5VSB  |                 |                 |
| 0.86                  | 0.9868 | 9.77%                | 20%         | Light               | 97.06          | 12.2/4.7                                     | 11.5/0.1 | 3.4/2.4  | 5.1/2.4 | 5/0.4 | 81.10           | 83.56%          |
| 2.08                  | 0.9903 | 8.92%                | 50%         | Typical             | 236.62         | 12.2/11.8                                    | 11.5/0.3 | 3.4/6.1  | 5/6.1   | 5/1   | 202.73          | 85.68%          |
| 4.23                  | 0.9955 | 7.54%                | 100%        | Full                | 484.40         | 12.1/23.5                                    | 11.5/0.6 | 3.4/12.2 | 5/12.1  | 5/2   | 403.17          | 83.23%          |



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/>

