

## 80 PLUS Verification and Testing Report

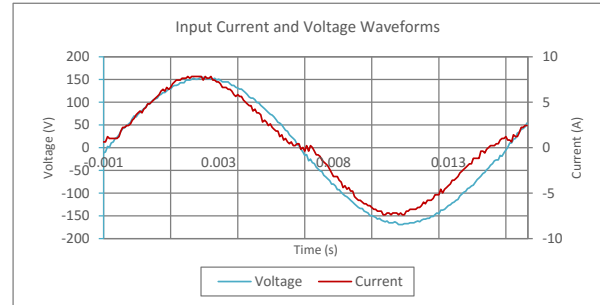
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>91.62%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>90.62%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|               |                                 |
|---------------|---------------------------------|
| ID Number     | 5063                            |
| Manufacturer  | Sea Sonic Electronics Co., Ltd. |
| Model Number  | SSR-1000FX                      |
| Serial Number | N/A                             |
| Year          | 2017                            |
| Type          | ATX12V, EPS12V                  |
| Test Date     | 9/22/17                         |

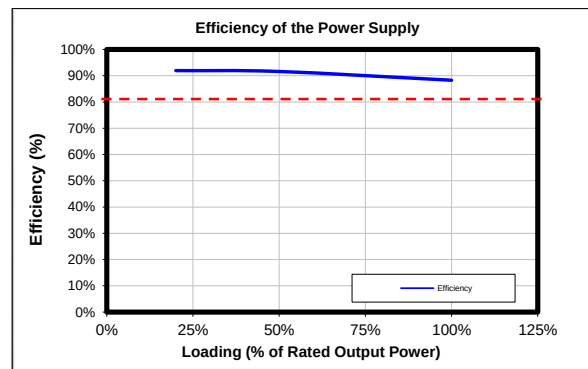
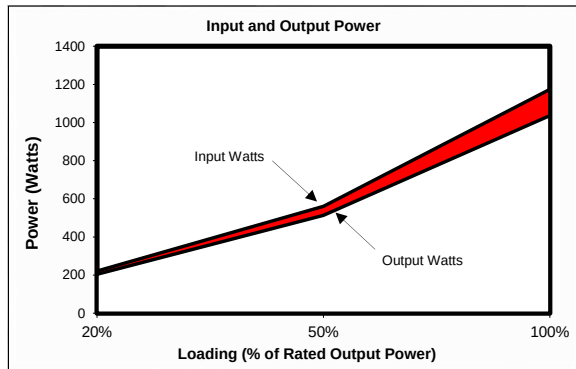
| Rated Specifications | Value   | Units |
|----------------------|---------|-------|
| Input Voltage        | 100-240 | Volts |
| Input Current        | 13-6.5  | Amps  |
| Input Frequency      | 50-60   | Hz    |
| Rated Output Power   | 1000    | Watts |

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



Input AC Current Waveform (I<sub>THD</sub> = 10.911%, 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      |              |            |
| 1.04             | 0.95 | 6.96%            | 10%  | 113.78      | 12.15/7.29                                   | 12.3/0.03  | 3.33/1.32  | 5.03/1.32  | 5.12/0.26 | 101.23       | 88.97%     |
| 1.97             | 0.98 | 8.22%            | 20%  | 221.35      | 12.2/14.61                                   | 12.31/0.05 | 3.32/2.64  | 5.03/2.62  | 5.11/0.53 | 203.53       | 91.95%     |
| 4.93             | 0.99 | 10.91%           | 50%  | 560.13      | 12.31/36.58                                  | 12.43/0.13 | 3.3/6.61   | 5.02/6.56  | 5.07/1.32 | 513.18       | 91.62%     |
| 10.28            | 0.99 | 9.54%            | 100% | 1173.72     | 12.51/72.88                                  | 13.29/0.26 | 3.33/13.24 | 5.01/13.07 | 5.01/2.63 | 1036.22      | 88.29%     |



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/>

