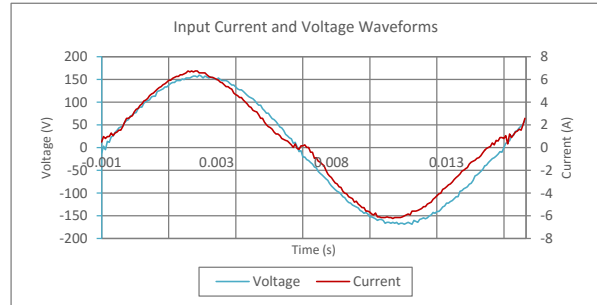


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.97%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>89.87%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                                |
|----------------------|--------------------------------|
| <b>ID Number</b>     | 4947                           |
| <b>Manufacturer</b>  | Sea Sonic Electronics Co. Ltd. |
| <b>Model Number</b>  | SSR-850FX                      |
| <b>Serial Number</b> | NA                             |
| <b>Year</b>          | 2017                           |
| <b>Type</b>          | ATX12V, EPS12V                 |
| <b>Test Date</b>     | 5/17/17                        |

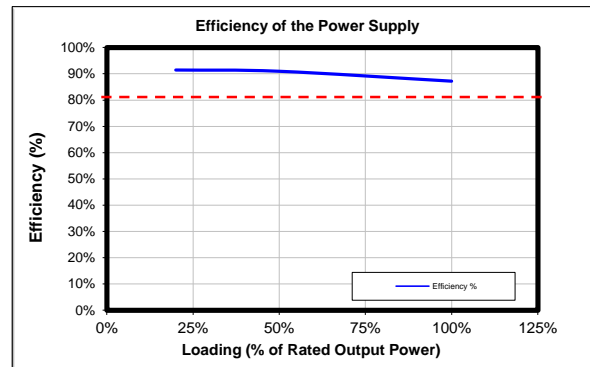
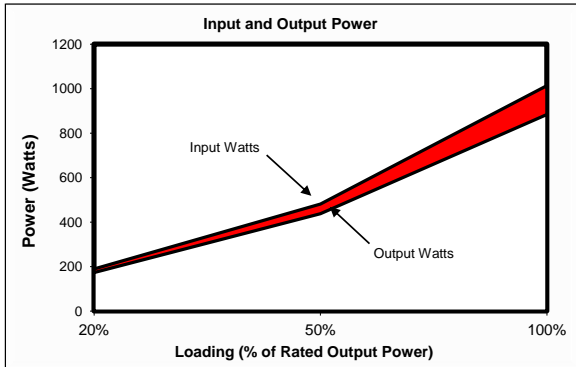


Input AC Current Waveform (ITHD = 10.39%, 50% Load)

| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 12-6       | Amps         |
| Input Frequency           | 50-60      | Hz           |
| <b>Rated Output Power</b> | <b>850</b> | <b>Watts</b> |

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

| I <sub>RMS A</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.)        |            |            |            |           |              |              |
| 0.89               | 0.95 | 7.36%                | 10%      | 97.30       | 12.13/6.21                                  | -12V       | 3.3V       | 5V         | 5Vsb      | 85.99        | 88.37%       |
| 1.68               | 0.98 | 8.22%                | 20%      | 189.40      | 12.2/12.46                                  | 12.21/0.05 | 3.33/2.14  | 5.02/2.13  | 5.11/0.53 | 173.20       | 91.45%       |
| 4.23               | 0.99 | 10.39%               | 50%      | 481.30      | 12.36/31.18                                 | 12.29/0.13 | 3.3/5.35   | 5.02/5.3   | 5.07/1.33 | 437.85       | 90.97%       |
| 8.87               | 0.99 | 9.54%                | 100%     | 1013.40     | 12.56/62                                    | 13/0.27    | 3.31/10.69 | 5.02/10.57 | 5.01/2.66 | 883.65       | 87.20%       |



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/>

