

## 80 PLUS Verification and Testing Report

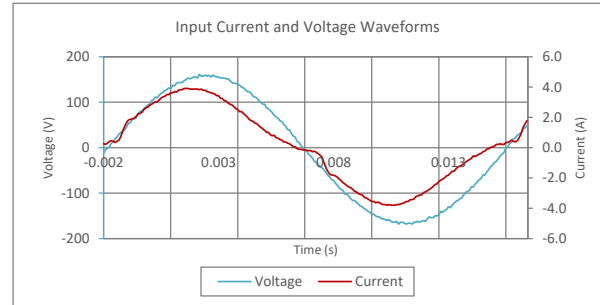
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.69%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>89.56%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                                  |
|----------------------|----------------------------------|
| <b>ID Number</b>     | 6147                             |
| <b>Manufacturer</b>  | SilverStone Technology Co., Ltd. |
| <b>Model Number</b>  | SST-ET500-MG                     |
| <b>Serial Number</b> | N/A                              |
| <b>Year</b>          | 2020                             |
| <b>Type</b>          | ATX12V                           |
| <b>Test Date</b>     | 10/14/20                         |

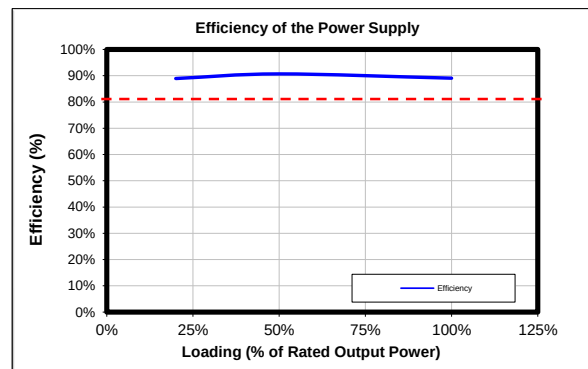
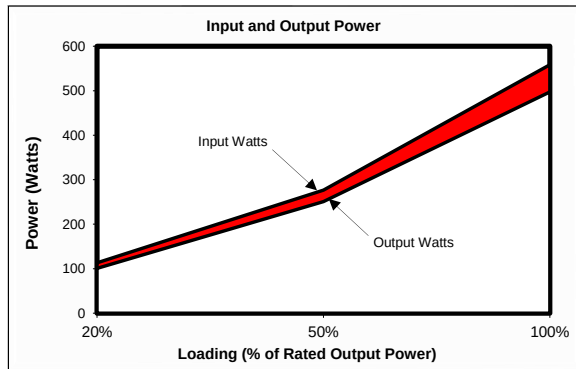
| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 6-3        | Amps         |
| Input Frequency           | 50-60      | Hz           |
| <b>Rated Output Power</b> | <b>500</b> | <b>Watts</b> |

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



Input AC Current Waveform (I<sub>THD</sub> = 13.3%, 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      |              |            |
| 0.55             | 0.96 | 13.00%           | 10%  | 60.53       | 12.08/3.4                                    | 11.98/0.02 | 3.34/0.98 | 5.02/0.98 | 5.09/0.2  | 50.52        | 83.46%     |
| 1.00             | 0.98 | 11.78%           | 20%  | 113.39      | 12.07/6.78                                   | 11.94/0.05 | 3.33/1.96 | 5.01/1.95 | 5.07/0.41 | 100.85       | 88.94%     |
| 2.47             | 0.98 | 13.30%           | 50%  | 276.70      | 12.02/16.98                                  | 11.91/0.12 | 3.29/4.9  | 4.97/4.86 | 5.03/1.02 | 250.93       | 90.69%     |
| 4.91             | 0.99 | 9.33%            | 100% | 558.40      | 11.95/33.94                                  | 12.22/0.24 | 3.22/9.8  | 4.9/9.7   | 4.95/2.03 | 497.33       | 89.06%     |



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/>

