

## 80 PLUS Verification and Testing Report

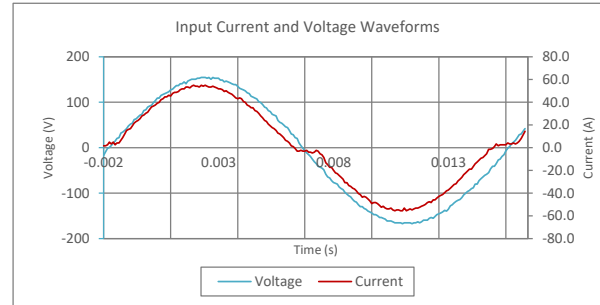
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.55%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>89.13%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                     |
|----------------------|---------------------|
| <b>ID Number</b>     | 6061                |
| <b>Manufacturer</b>  | FSP Technology Inc. |
| <b>Model Number</b>  | HGS-750M            |
| <b>Serial Number</b> | S0131030009         |
| <b>Year</b>          | 2020                |
| <b>Type</b>          | ATX12V              |
| <b>Test Date</b>     | 8/12/20             |

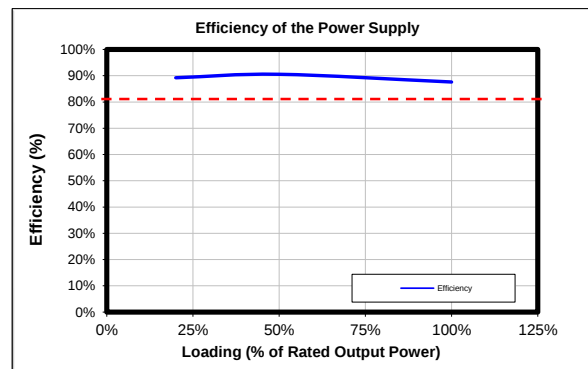
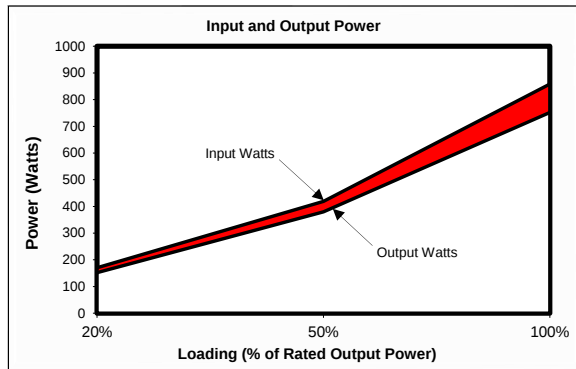
| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 10-5       | Amps         |
| Input Frequency           | 50-60      | Hz           |
| <b>Rated Output Power</b> | <b>750</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> = 10.49%, 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      |              |            |
| 0.80             | 0.98 | 14.48%           | 10%  | 90.35       | 12.18/5.41                                   | 12.43/0.03 | 3.22/1.04  | 5.1/1.04  | 5.04/0.26 | 76.15        | 84.28%     |
| 1.51             | 0.98 | 13.37%           | 20%  | 170.60      | 12.17/10.82                                  | 12.4/0.05  | 3.21/2.08  | 5.09/2.07 | 5.02/0.52 | 152.21       | 89.22%     |
| 3.67             | 0.99 | 10.49%           | 50%  | 419.10      | 12.13/27.11                                  | 11.68/0.13 | 3.18/5.2   | 5.06/5.16 | 4.98/1.3  | 379.50       | 90.55%     |
| 7.51             | 0.99 | 10.25%           | 100% | 858.30      | 12.03/54.15                                  | 11.95/0.26 | 3.13/10.41 | 5.01/10.3 | 4.9/2.59  | 751.96       | 87.61%     |



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/>

