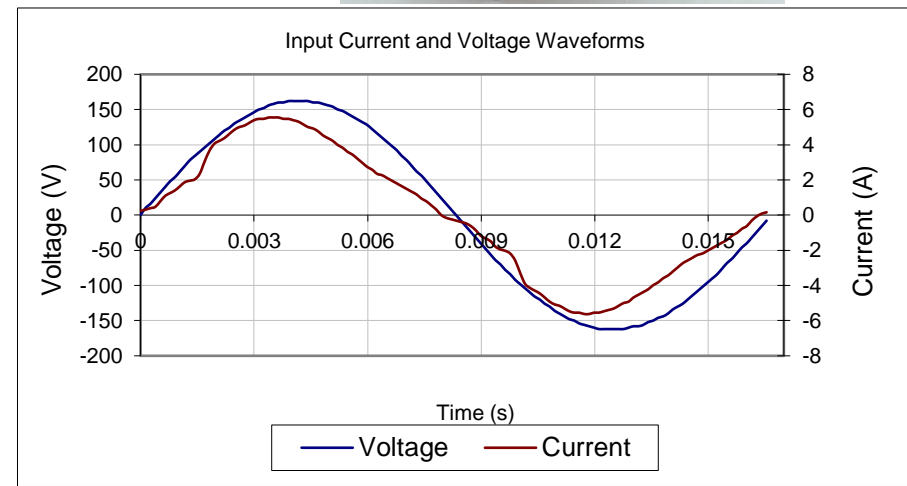


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>91.74%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>90.35%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                                    |
|----------------------|------------------------------------|
| <b>ID Number</b>     | 4765.5                             |
| <b>Manufacturer</b>  | Micro-Star International Co., Ltd. |
| <b>Model Number</b>  | MPG A750GF                         |
| <b>Serial Number</b> | NA                                 |
| <b>Year</b>          | 2016                               |
| <b>Type</b>          | ATX12V                             |
| <b>Test Date</b>     | 11/10/16                           |

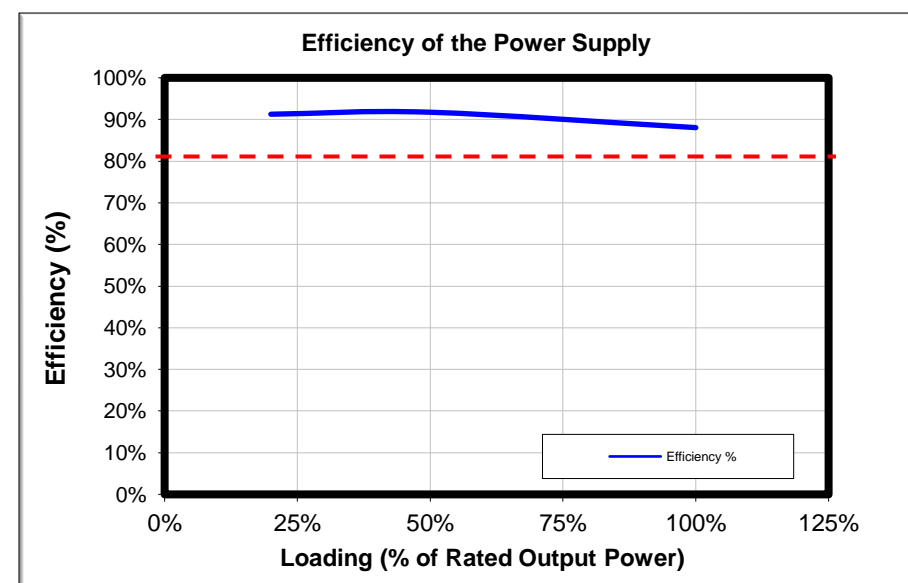
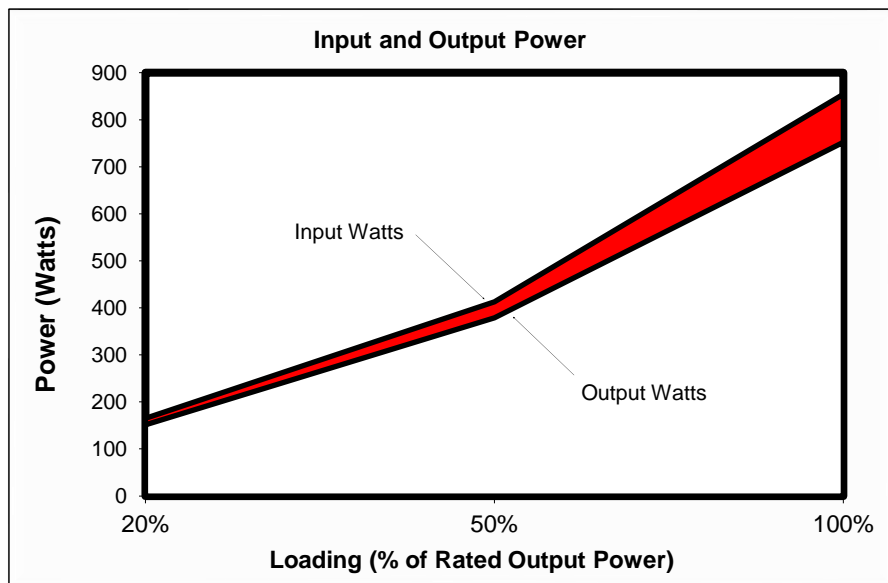


| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 10.0       | Amps         |
| Input Frequency           | 47-63      | Hz           |
| <b>Rated 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 (ITHD = 14.45%, 50% Load)

| I <sub>RMS</sub> A | 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      |              |              |
| 0.81               | 0.92 | 20.71%               | 10%      | 86.14       | 12.09/5.3                                    | 11.6/0.04  | 3.36/1.22  | 5.05/1.22 | 5.09/0.21 | 75.85        | 88.06%       |
| 1.49               | 0.96 | 17.61%               | 20%      | 165.67      | 12.09/10.56                                  | 11.65/0.08 | 3.35/2.44  | 5.05/2.43 | 5.08/0.42 | 151.20       | 91.26%       |
| 3.65               | 0.98 | 14.45%               | 50%      | 412.40      | 12.07/26.47                                  | 11.88/0.22 | 3.35/6.1   | 5.04/6.05 | 5.07/1.06 | 378.35       | 91.74%       |
| 7.53               | 0.99 | 11.67%               | 100%     | 854.10      | 12.03/52.73                                  | 12.52/0.42 | 3.34/12.17 | 5.03/12.1 | 5.04/2.11 | 752.02       | 88.05%       |



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/>