

# 80 PLUS Verification and Testing Report

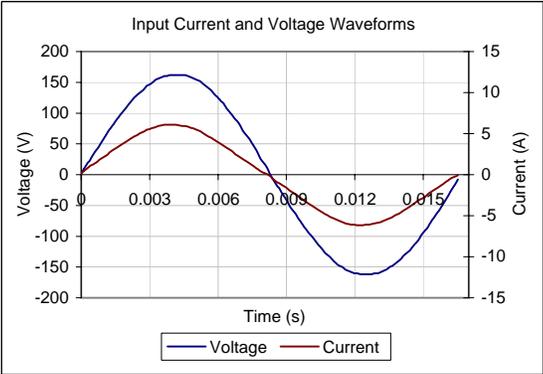
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>84.86%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>83.21%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |              |
|----------------------|--------------|
| <b>Ecos ID #</b>     | 398          |
| <b>Manufacturer</b>  | FSP          |
| <b>Model Number</b>  | FSP400-602UC |
| <b>Serial Number</b> | NA           |
| <b>Year</b>          | 2007         |
| <b>Type</b>          | EPS2U        |
| <b>Test Date</b>     | 10/12/2007   |

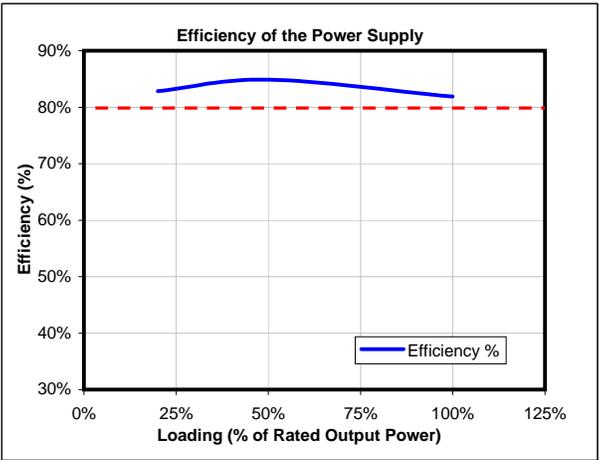
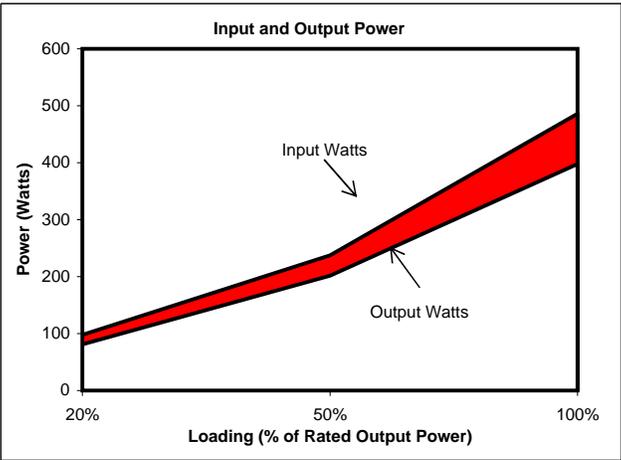
| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 6          | Amps         |
| Input Frequency           | 60-50      | Hz           |
| <b>Rated Output Power</b> | <b>400</b> | <b>Watts</b> |

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



Input AC Current Waveform (ITHD = 5.7%, 50% Load)

| I <sub>RMS</sub><br>A | PF   | I <sub>THD</sub> (%) | Load (%) | Fraction of 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    |              |              |
| 0.86                  | 0.99 | 8.2%                 | 20%      | Light            | 98          | 12.2/4.6                                     | 11.5/0.1 | 3.3/2.6 | 5/2.6    | 5.1/0.4 | 81           | 82.87%       |
| 2.08                  | 0.99 | 5.7%                 | 50%      | Typical          | 238         | 12.2/11.6                                    | 11.5/0.2 | 3.3/6.5 | 5/6.5    | 5/0.9   | 202          | 84.86%       |
| 4.24                  | 1.00 | 5.3%                 | 100%     | Full             | 486         | 12.1/23.2                                    | 11.6/0.4 | 3.2/13  | 4.9/13.1 | 4.9/1.8 | 398          | 81.90%       |



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/>

