

# 80 PLUS Verification and Testing Report

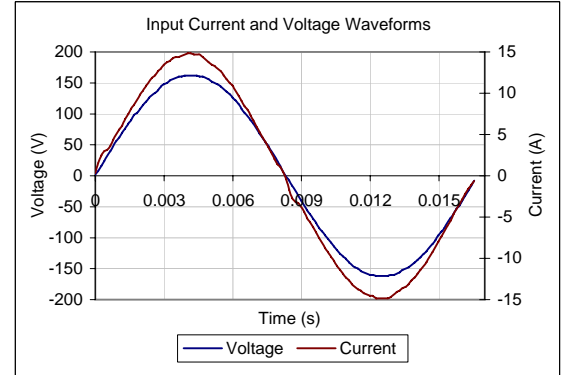
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>84.19%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>82.28%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |          |
|----------------------|----------|
| <b>Ecos ID #</b>     | 293      |
| <b>Manufacturer</b>  | DELL     |
| <b>Model Number</b>  | JW124    |
| <b>Serial Number</b> | NA       |
| <b>Year</b>          | 2007     |
| <b>Type</b>          | Custom   |
| <b>Test Date</b>     | 7/5/2007 |

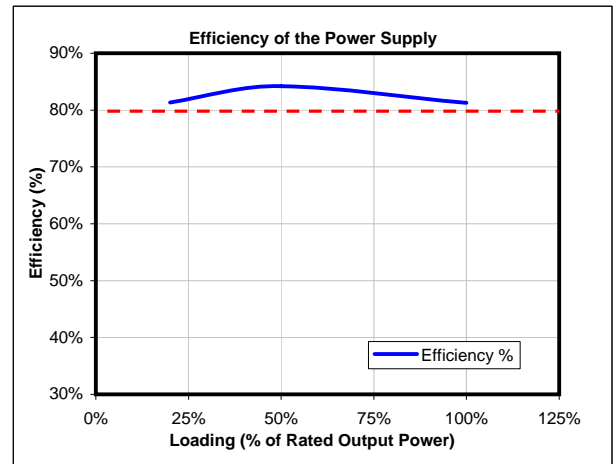
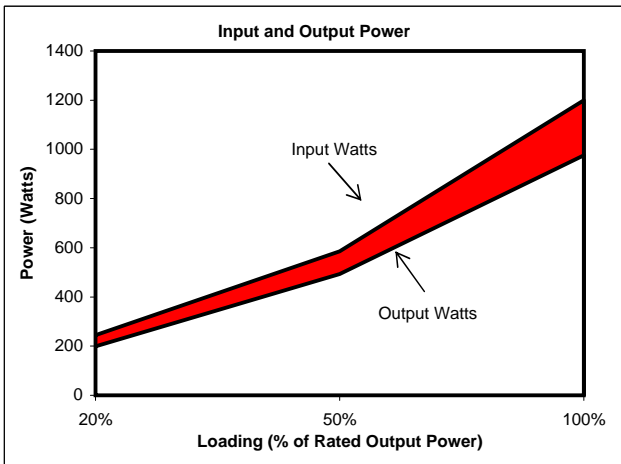
| Rated Specifications      | Value       | Units        |
|---------------------------|-------------|--------------|
| Input Voltage             | 100-240     | Volts        |
| Input Current             | 14          | Amps         |
| Input Frequency           | 50-60       | Hz           |
| <b>Rated Output Power</b> | <b>1000</b> | <b>Watts</b> |

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



Input AC Current Waveform (ITHD = 3.82%, 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    |              |              |
| 2.14                  | 0.99 | 5.0%                 | 20%      | Light            | 244         | 11.9/14.2                                    | 12/0   | 3.3/4.5  | 5.1/2.4 | 5/0.5   | 199          | 81.36%       |
| 5.10                  | 1.00 | 3.8%                 | 50%      | Typical          | 586         | 11.8/35.5                                    | 12/0.1 | 3.3/11.2 | 5/6     | 4.9/1.3 | 493          | 84.19%       |
| 10.44                 | 1.00 | 2.8%                 | 100%     | Full             | 1200        | 11.7/71                                      | 12/0.2 | 3.2/22.3 | 5/12    | 4.8/2.7 | 976          | 81.30%       |



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/>

