

# 80 PLUS Verification and Testing Report

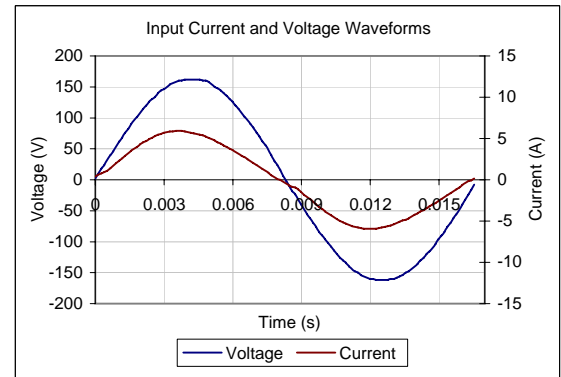
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>83.68%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>81.73%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |           |
|----------------------|-----------|
| <b>Ecos ID #</b>     | 277       |
| <b>Manufacturer</b>  | DELL      |
| <b>Model Number</b>  | UP173     |
| <b>Serial Number</b> | NA        |
| <b>Year</b>          | 2007      |
| <b>Type</b>          | Custom    |
| <b>Test Date</b>     | 6/22/2007 |

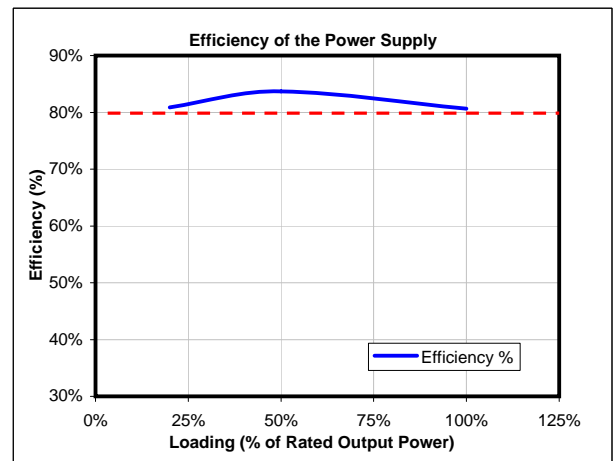
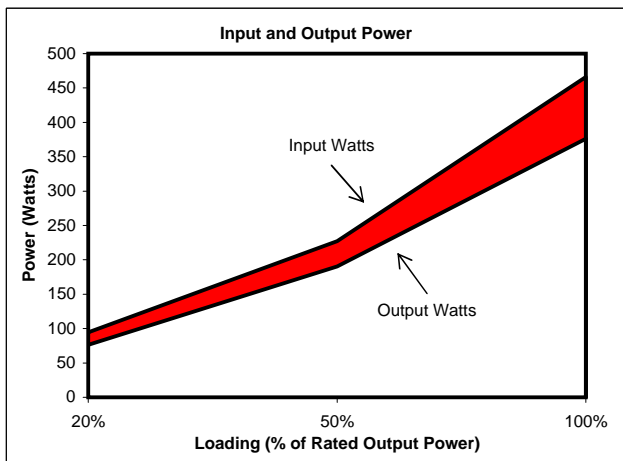
| <b>Rated Specifications</b> | <b>Value</b> | <b>Units</b> |
|-----------------------------|--------------|--------------|
| Input Voltage               | 100-120      | Volts        |
| Input Current               | 7            | Amps         |
| Input Frequency             | 50-60        | Hz           |
| <b>Rated Output Power</b>   | <b>375</b>   | <b>Watts</b> |

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



Input AC Current Waveform (ITHD = 6.33%, 50% Load)

| <b>I<sub>RMS</sub><br/>A</b> | <b>PF</b> | <b>I<sub>THD</sub> (%)</b> | <b>Load<br/>(%)</b> | <b>Fraction<br/>of Load</b> | <b>Input<br/>Watts</b> | <b>DC Terminal Voltage (V)/ DC Load Current (A)</b> |          |          |         |         | <b>Output<br/>Watts</b> | <b>Efficiency<br/>%</b> |
|------------------------------|-----------|----------------------------|---------------------|-----------------------------|------------------------|---|----------|----------|---------|---------|-------------------------|-------------------------|
|                              |           |                            |                     |                             |                        | 12V (cumulative of 12V1, 12V2, etc.)                | -12V     | 3.3V     | 5V*     | 5VSB    |                         |                         |
| 0.85                         | 0.70      | 7.8%                       | 20%                 | Light                       | 95                     | 12.3/4.2  | 11.9/0.1 | 3.3/2.1  | 5.1/2.7 | 5.1/0.6 | 77                      | 80.85%                  |
| 2.00                         | 0.99      | 6.3%                       | 50%                 | Typical                     | 227                    | 12.2/10.4   | 12/0.3   | 3.3/5.3  | 5/6.9   | 5/1.4   | 190                     | 83.68%                  |
| 4.08                         | 0.99      | 6.9%                       | 100%                | Full                        | 466                    | 12.1/20.8   | 12/0.7   | 3.2/10.6 | 5/13.7  | 4.9/2.8 | 376                     | 80.67%                  |



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/>

