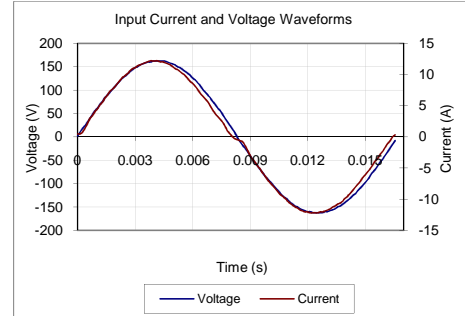


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.38%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>88.86%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |              |
|----------------------|--------------|
| <b>Ecos ID #</b>     | 1464         |
| <b>Manufacturer</b>  | CORSAIR      |
| <b>Model Number</b>  | CMPSU-850HX  |
| <b>Serial Number</b> | 09190620-560 |
| <b>Year</b>          | 2009         |
| <b>Type</b>          | ATX12V       |
| <b>Test Date</b>     | 6/12/2009    |

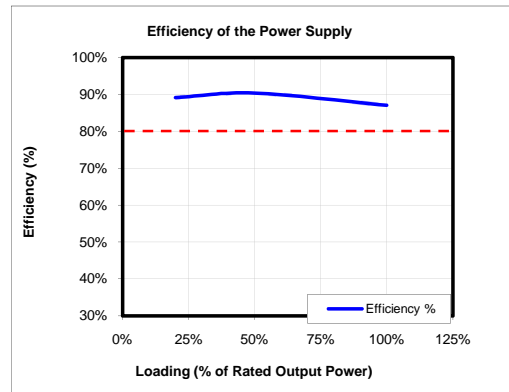
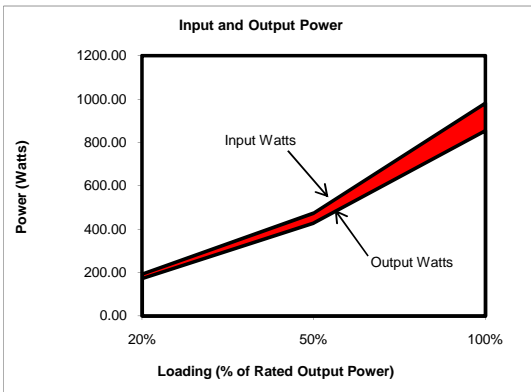


Input AC Current Waveform (THD = 9.29%, 50% Load)

| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 12         | Amps         |
| Input Frequency           | 50/60      | Hz           |
| <b>Rated Output Power</b> | <b>850</b> | <b>Watts</b> |

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

| 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  |              |              |
| 1.71                  | 0.9837 | 15.55%               | 20%      | Light            | 193.20      | 12.1/11.8                                    | 11.8/0.1 | 3.3/3   | 5.1/3  | 5/0.5 | 172.22       | 89.14%       |
| 4.15                  | 0.9927 | 9.29%                | 50%      | Typical          | 474.40      | 12.1/29.4                                    | 11.8/0.3 | 3.3/7.5 | 5/7.5  | 5/1.3 | 428.77       | 90.38%       |
| 8.56                  | 0.9979 | 4.89%                | 100%     | Full             | 981.80      | 12.1/58.8                                    | 11.8/0.7 | 3.3/15  | 5/15.1 | 5/2.5 | 854.77       | 87.06%       |



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/>

