

# 80 PLUS Verification and Testing Report

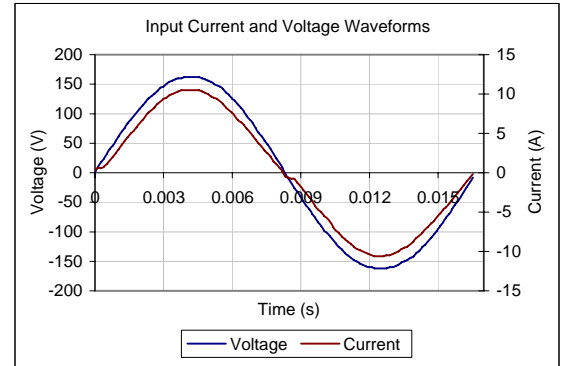


|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>86.99%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>85.41%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |

|                      |             |
|----------------------|-------------|
| <b>Ecos ID #</b>     | 1018        |
| <b>Manufacturer</b>  | SUPERFLOWER |
| <b>Model Number</b>  | SF-700R14HE |
| <b>Serial Number</b> | S0809007894 |
| <b>Year</b>          | 2008        |
| <b>Type</b>          | ATX12V      |
| <b>Test Date</b>     | 10/9/2008   |

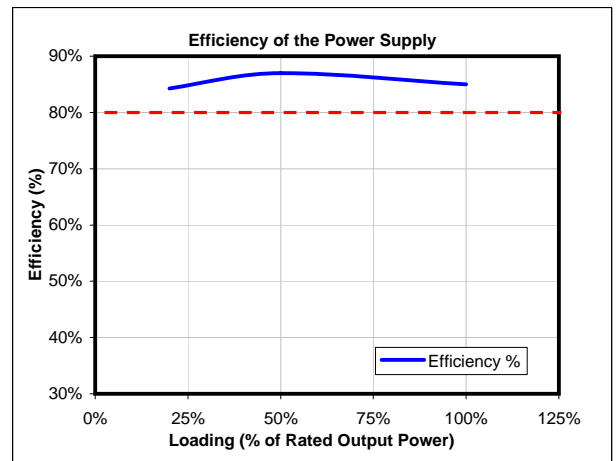
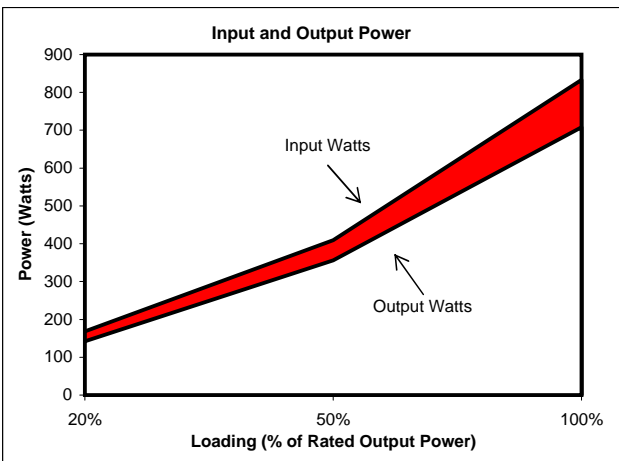
| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 115-240    | Volts        |
| Input Current             | 12         | Amps         |
| Input Frequency           | 50-60      | Hz           |
| <b>Rated Output Power</b> | <b>700</b> | <b>Watts</b> |

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



Input AC Current Waveform (ITHD = 6.94%, 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   |
| 1.48                  | 0.99 | 10.5%                | 20%      | Light            | 169         | 12.2/9.1                                     | 11.8/0.1 | 3.4/2.9  | 5.1/3.6 | 5/0.5        | 142          | 84.26% |
| 3.57                  | 1.00 | 6.9%                 | 50%      | Typical          | 409         | 12.1/22.8                                    | 11.7/0.2 | 3.4/7.2  | 5.1/9   | 5/1.2        | 356          | 86.99% |
| 7.26                  | 1.00 | 6.2%                 | 100%     | Full             | 833         | 12.1/45.5                                    | 11.6/0.4 | 3.4/14.4 | 5.1/18  | 5/2.4        | 708          | 84.97% |



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/>

