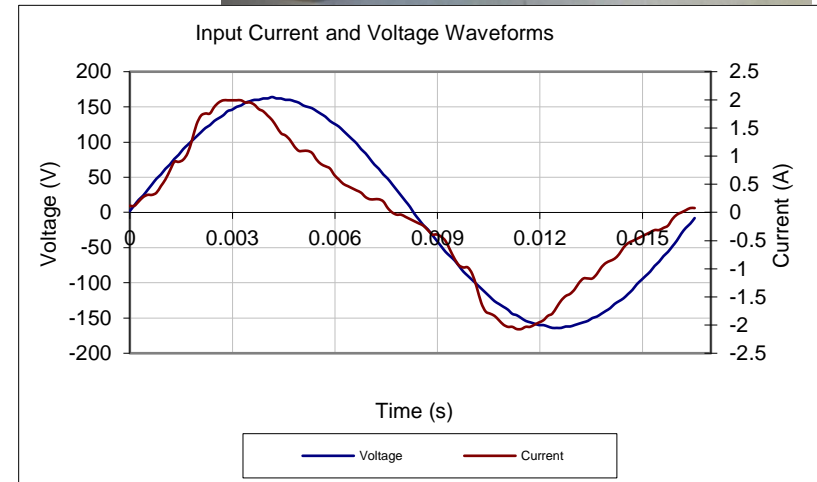


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.67%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>89.31%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                              |
|----------------------|------------------------------|
| <b>Ecos ID #</b>     | 3930.1                       |
| <b>Manufacturer</b>  | LOGIN INFORMÁTICA COMÉRCIO E |
| <b>Model Number</b>  | LOG-P240GF7                  |
| <b>Serial Number</b> | N/A                          |
| <b>Year</b>          | 2014                         |
| <b>Type</b>          | TFX                          |
| <b>Test Date</b>     | 4/3/14                       |

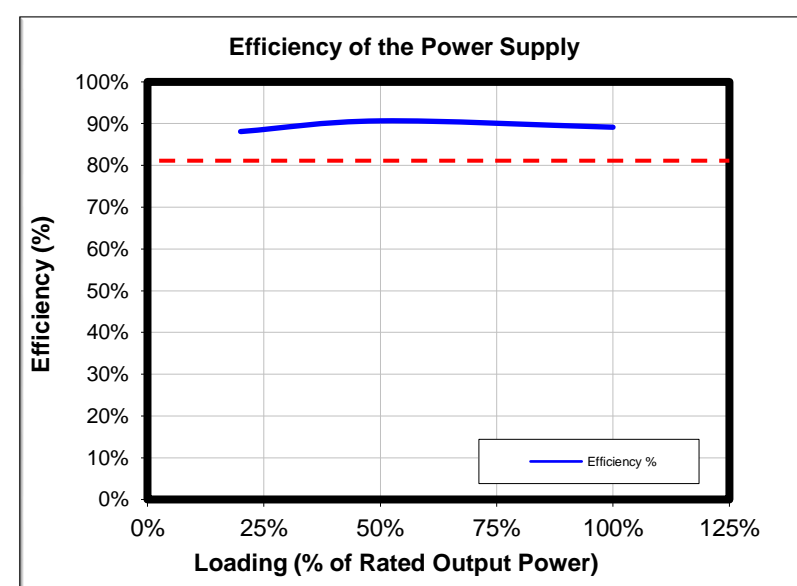
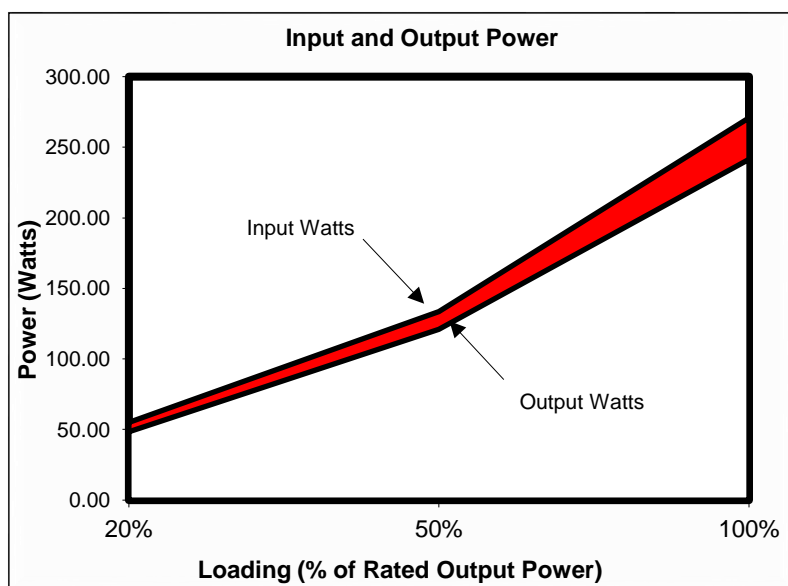


Input AC Current Waveform (ITHD = 22.76%, 50% Load)

| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 5          | Amps         |
| Input Frequency           | 60/50      | Hz           |
| <b>Rated Output Power</b> | <b>240</b> | <b>Watts</b> |

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

| I <sub>RMS</sub><br>A | PF   | I <sub>THD</sub> (%) | Load (%) | Input<br>Watts | DC Terminal Voltage (V)/ DC Load Current (A) |        |         |       |       | Output<br>Watts | Efficiency<br>% |
|-----------------------|------|----------------------|----------|----------------|--|--------|---------|-------|-------|-----------------|-----------------|
|                       |      |                      |          |                | 12V (cumulative of 12V1, 12V2, etc.)         |        |         |       |       |                 |                 |
| 0.28                  | 0.90 | 17.02%               | 10%      | 29.38          | 12.1/1.3                                     | 12/0   | 3.4/0.8 | 5/0.8 | 5/0.2 | 24.25           | 82.54%          |
| 0.51                  | 0.93 | 20.76%               | 20%      | 54.94          | 12.1/2.7                                     | 12/0   | 3.4/1.6 | 5/1.6 | 5/0.3 | 48.41           | 88.11%          |
| 1.23                  | 0.95 | 22.76%               | 50%      | 133.58         | 12.1/6.7                                     | 12/0.1 | 3.4/4.1 | 5/4.1 | 5/0.8 | 121.11          | 90.67%          |
| 2.53                  | 0.93 | 27.36%               | 100%     | 270.80         | 12.1/13.5                                    | 12/0.2 | 3.3/8.2 | 5/8.2 | 5/1.7 | 241.41          | 89.15%          |



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/>

