

## 80 PLUS Verification and Testing Report

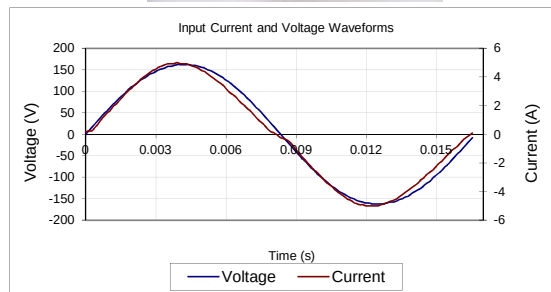
|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.46%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>88.92%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                |
|----------------------|----------------|
| <b>Ecos ID #</b>     | 4516           |
| <b>Manufacturer</b>  | Be Quiet       |
| <b>Model Number</b>  | L9-CM-700W     |
| <b>Serial Number</b> | 269S5481000080 |
| <b>Year</b>          | 2016           |
| <b>Type</b>          | ATX12V         |
| <b>Test Date</b>     | 1/7/16         |

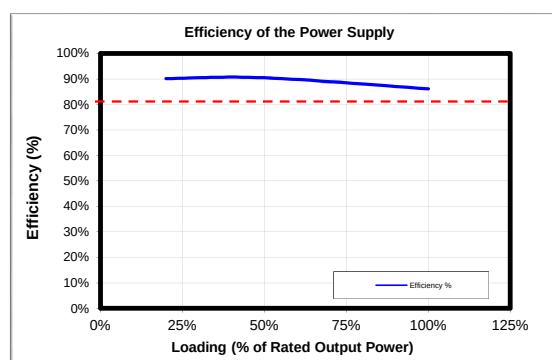
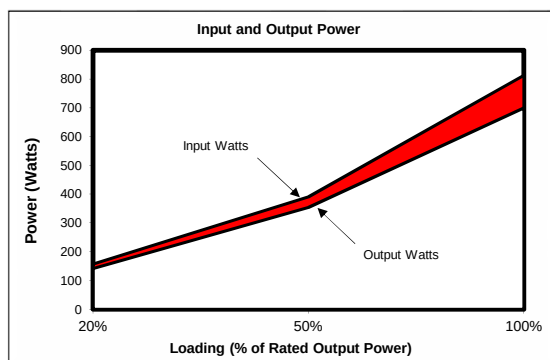
| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 10-5       | Amps         |
| Input Frequency           | 50-60      | Hz           |
| <b>Rated Output Power</b> | <b>700</b> | <b>Watts</b> |

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



Input AC Current Waveform (ITHD = 7.72%, 50% Load)

| I <sub>RMS</sub> A | PF   | I <sub>THD</sub> (%) | 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      |              |              |
| 0.76               | 0.94 | 29.80%               | 10%      | 81.98       | 12.17/4.67                                   | 11.81/0.02 | 3.3/1.71  | 5.08/1.37  | 5.04/0.25 | 70.90        | 86.49%       |
| 1.41               | 0.97 | 21.20%               | 20%      | 157.37      | 12.18/9.34                                   | 11.77/0.05 | 3.29/3.42 | 5.07/2.72  | 5.03/0.5  | 141.88       | 90.16%       |
| 3.42               | 1.00 | 7.72%                | 50%      | 391.00      | 12.14/23.4                                   | 11.78/0.12 | 3.26/8.55 | 5.04/6.79  | 5/1.25    | 353.70       | 90.46%       |
| 7.08               | 1.00 | 5.38%                | 100%     | 812.40      | 12.05/46.68                                  | 11.85/0.25 | 3.21/17   | 4.99/13.56 | 4.94/2.5  | 699.78       | 86.14%       |



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/>

