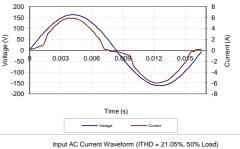
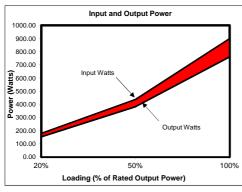
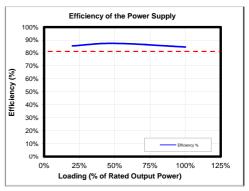
| 80 PLUS V  | erification and T | esting Report    | Mill mary                           |
|--|-------------------|------------------|-------------------------------------|
| TYPICAL EFFICIENCY (50% Load):<br>AVERAGE EFFICIENCY : |                   | 87.44%<br>85.82% |                                     |
| 80 PLUS COMPLIANT:                                     |                   | YES              | Jan Barris and Market State         |
| Ecos ID #  | 3308              |                  | Input Current and Voltage Waveforms |
| Manufacturer   | Powercool         |                  |                                     |
| Model Number   | PCB-750BK         |                  | 150                                 |
| Serial Number  | N/A               |                  | 100                                 |
| Year   | 2012              |                  | ε 50<br>Σ 50                        |
| Туре   | ATX12V            |                  |                                     |
| Test Date  | 10/17/12          |                  |                                     |

| Rated Specifications | Value   | Units |  |
|----------------------|---------|-------|--|
| Input Voltage        | 110/220 | Volts |  |
| Input Current        | N/A     | Amps  |  |
| Input Frequency      | 60/50   | Hz    |  |
| Rated Output Power   | 750     | Watts |  |



| PF   | I <sub>THD</sub> (%) | Load                                    | Input  | DC Terminal Voltage (V)/ DC Load Current (A)  |   |   |  |   | Output   | Efficiency   |
|------|----------------------|---|--|---|---|---|--|---|--|--|
|      |                      | (%)                                     | Watts  | 12V (cumulative of 12V1, 12V2, etc.)  | -12V  | 3.3V  | 5V   | 5Vsb  | Watts  | %  |
| 0.96 | 11.94%               | 10%                                     | 95.52  | 12.2/5.1  | 11.5/0.1  | 3.4/1.5   | 5.2/1.5  | 5.1/0.2   | 76.57  | 80.16%   |
| 0.97 | 23.58%               | 20%                                     | 179.76   | 12.2/10.2   | 11.5/0.1  | 3.4/3   | 5.2/3  | 5.1/0.5   | 153.62   | 85.46%   |
| 0.98 | 21.05%               | 50%                                     | 437.20   | 12.2/25.3   | 11.4/0.2  | 3.4/7.6   | 5.2/7.5  | 5.1/1.2   | 382.29   | 87.44%   |
| 0.99 | 15.71%               | 100%                                    | 900.30   | 12.1/50.6   | 11.5/0.5  | 3.4/15.1  | 5.2/15.1   | 5/2.4   | 761.40   | 84.57%   |
|      | 0.96<br>0.97<br>0.98 | 0.96 11.94%   0.97 23.58%   0.98 21.05% | III. (%)   0.96 11.94% 10%   0.97 23.58% 20%   0.98 21.05% 50% | (%) Watts   0.96 11.94% 10% 95.52   0.97 23.58% 20% 179.76   0.98 21.05% 50% 437.20 | (%) Watts 12V (cumulative of 12V1, 12V2, etc.)   0.96 11.94% 10% 95.52 12.2/5.1   0.97 23.58% 20% 179.76 12.2/10.2   0.98 21.05% 50% 437.20 12.2/25.3 | (%) Watts 12V (cumulative of 12V1, 12V2, etc.) -12V   0.96 11.94% 10% 95.52 12.2/5.1 11.5/0.1   0.97 23.58% 20% 179.76 12.2/10.2 11.5/0.1   0.98 21.05% 50% 437.20 12.2/25.3 11.4/0.2 | (%) Watts 12V (cumulative of 12V1, 12V2, etc.) -12V 3.3V   0.96 11.94% 10% 95.52 12.2/5.1 11.5/0.1 3.4/1.5   0.97 23.58% 20% 179.76 12.2/10.2 11.5/0.1 3.4/3   0.98 21.05% 50% 437.20 12.2/25.3 11.4/0.2 3.4/7.6 | (%) Watts 12V (cumulative of 12V1, 12V2, etc.) -12V 3.3V 5V   0.96 11.94% 10% 95.52 12.2/5.1 11.5/0.1 3.4/1.5 5.2/1.5   0.97 23.58% 20% 179.76 12.2/10.2 11.5/0.1 3.4/3 5.2/3   0.98 21.05% 50% 437.20 12.2/25.3 11.4/0.2 3.4/7.6 5.2/7.5 | (%) Watts 12V (cumulative of 12V1, 12V2, etc.) -12V 3.3V 5V 5Vsb   0.96 11.94% 10% 95.52 12.2/5.1 11.5/0.1 3.4/1.5 5.2/1.5 5.1/0.2   0.97 23.58% 20% 179.76 12.2/10.2 11.5/0.1 3.4/3 5.2/3 5.1/0.5   0.98 21.05% 50% 437.20 12.2/25.3 11.4/0.2 3.4/7.6 5.2/7.5 5.1/1.2 | (%) Watts 12V (cumulative of 12V1, 12V2, etc.) -12V 3.3V 5V 5Vsb Watts   0.96 11.94% 10% 95.52 12.2/5.1 11.5/0.1 3.4/1.5 5.2/1.5 5.1/0.2 76.57   0.97 23.58% 20% 179.76 12.2/10.2 11.5/0.1 3.4/3 5.2/3 5.1/0.5 153.62   0.98 21.05% 50% 437.20 12.2/25.3 11.4/0.2 3.4/7.6 5.2/7.5 5.1/1.2 382.29 |







PLUG LOAD Solutions 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/* 

