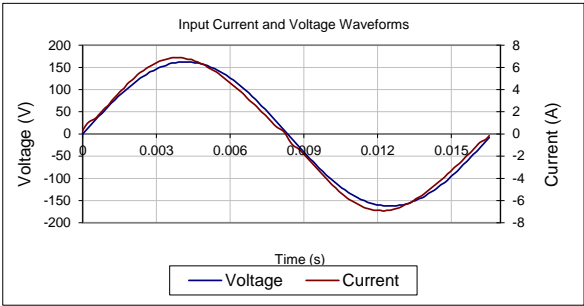


# 80 PLUS Verification and Testing Report



|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>90.67%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>89.15%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |

|                      |             |
|----------------------|-------------|
| <b>Ecos ID #</b>     | 4460.1      |
| <b>Manufacturer</b>  | ThunderX3   |
| <b>Model Number</b>  | PLEXUS 1000 |
| <b>Serial Number</b> | N/A         |
| <b>Year</b>          | 2015        |
| <b>Type</b>          | EPS12V      |
| <b>Test Date</b>     | 10/8/15     |

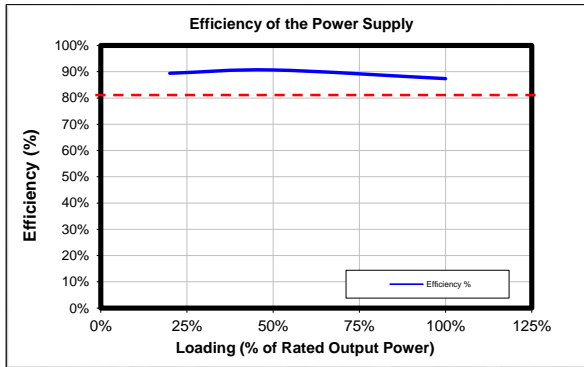
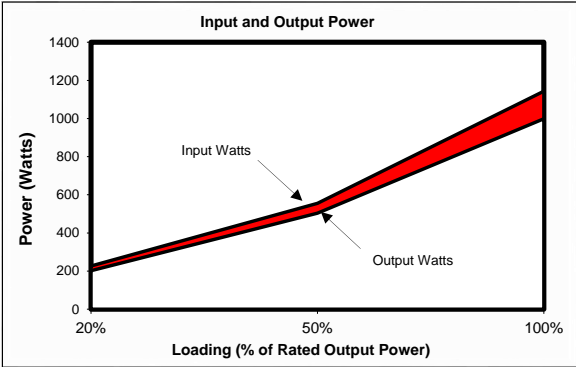


Input AC Current Waveform (ITHD = 4.09%, 50% Load)

| Rated Specifications      | Value       | Units        |
|---------------------------|-------------|--------------|
| Input Voltage             | 100-240     | Volts        |
| Input Current             | 15          | Amps         |
| Input Frequency           | 47-63       | Hz           |
| <b>Rated Output Power</b> | <b>1000</b> | <b>Watts</b> |

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

| 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.)         |            |            |            |           |              |              |
| 1.06               | 0.97 | 3.36%                | 10%      | 117.88      | 12.08/7.25                                   | -12V       | 3.3V       | 5V         | 5Vsb      | 100.86       | 85.56%       |
| 1.99               | 0.99 | 3.57%                | 20%      | 226.34      | 12.07/14.59                                  | 12.12/0.05 | 3.36/2.74  | 5.07/2.72  | 5.12/0.52 | 202.38       | 89.41%       |
| 4.84               | 1.00 | 4.09%                | 50%      | 555.10      | 12.05/36.35                                  | 12.05/0.13 | 3.34/6.84  | 5.05/6.79  | 5.1/1.31  | 503.29       | 90.67%       |
| 9.98               | 1.00 | 6.53%                | 100%     | 1143.10     | 12.02/72.31                                  | 12.07/0.26 | 3.31/13.64 | 5.01/13.55 | 5.07/2.62 | 998.75       | 87.37%       |



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/>

