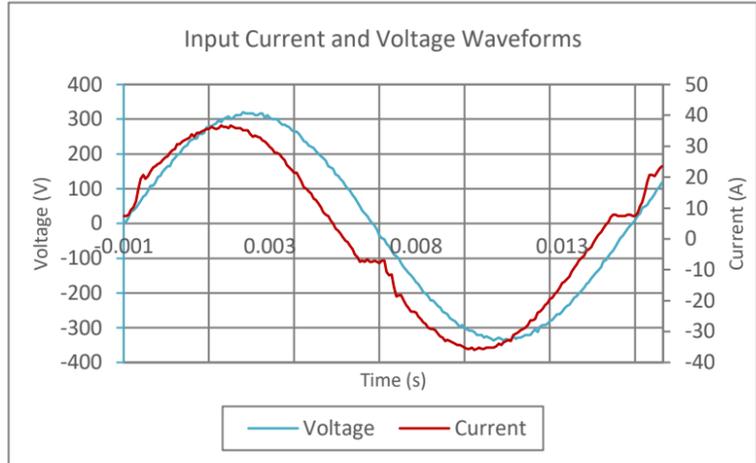


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>93.02%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>91.73%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                             |
|----------------------|-----------------------------|
| <b>ID Number</b>     | SO-1617                     |
| <b>Manufacturer</b>  | KINTRON ELECTRONICS Co.,Ltd |
| <b>Model Number</b>  | UA1-G1K0P                   |
| <b>Serial Number</b> | N/A                         |
| <b>Year</b>          | 2019                        |
| <b>Type</b>          | 1U                          |
| <b>Test Date</b>     | 11/01/19                    |



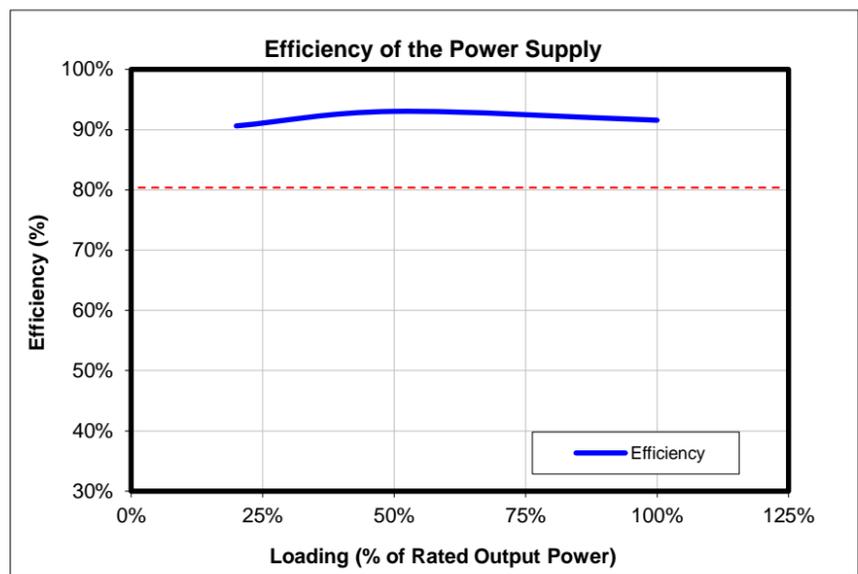
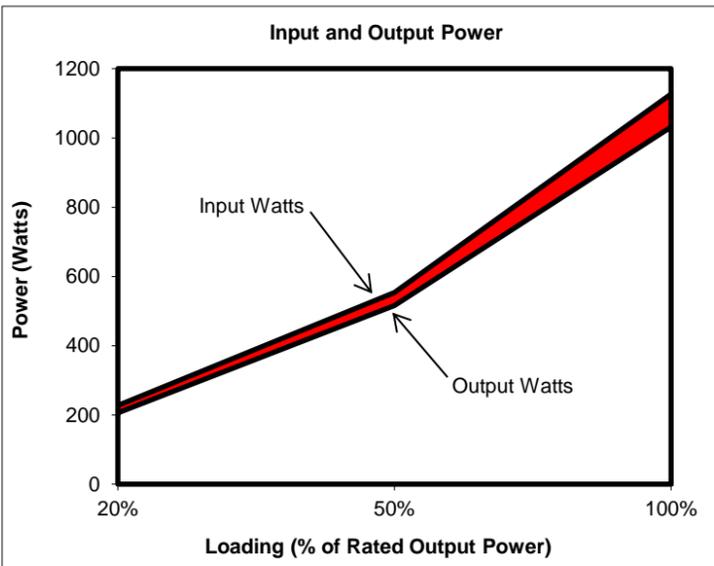
| Rated Specifications      | Value          | Units        |
|---------------------------|----------------|--------------|
| Input Voltage             | <b>100-240</b> | Volts        |
| Input Current             | <b>13-6</b>    | Amps         |
| Input Frequency           | <b>47-63</b>   | Hz           |
| <b>Rated Output Power</b> | <b>1,000</b>   | <b>Watts</b> |

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 7.78%, 50% Load)

| I <sub>RMS</sub> | PF   | I <sub>THD</sub> | Load | Fraction of Load | Input Watts | External Fan (W)* | DC Terminal Voltage (V)/ DC Load Current (A) |           | Output Watts | Efficiency |
|------------------|------|------------------|------|------------------|-------------|-------------------|--|-----------|--------------|------------|
|                  |      |                  |      |                  |             |                   | 12V  | 5Vsb      |              |            |
| 0.62             | 0.83 | 24.74%           | 10%  | Low              | 119         | 0.92              | 12.32/8.2                                    | 5.18/0.35 | 103          | 86.16%     |
| 1.07             | 0.92 | 17.62%           | 20%  | Light            | 227         | 2.58              | 12.33/16.42                                  | 5.16/0.69 | 206          | 90.61%     |
| 2.46             | 0.98 | 7.78%            | 50%  | Typical          | 554         | 6.80              | 12.34/41.04                                  | 5.14/1.74 | 515          | 93.02%     |
| 4.92             | 0.99 | 3.78%            | 100% | Full             | 1127        | 12.96             | 12.35/82.08                                  | 5.05/3.48 | 1032         | 91.56%     |

\* Fan power is not included in the efficiency calculations



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/>

