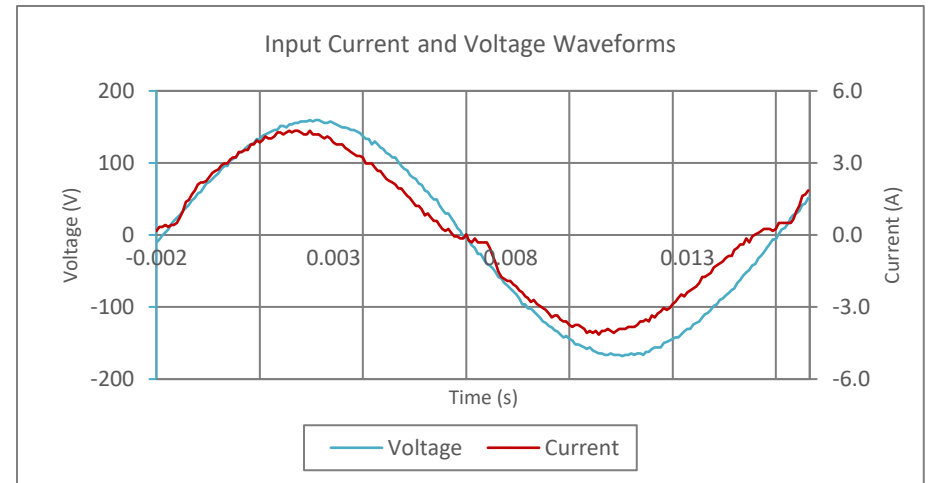


# 80 PLUS Verification and Testing Report

|                                       |               |
|---------------------------------------|---------------|
| <b>TYPICAL EFFICIENCY (50% Load):</b> | <b>87.43%</b> |
| <b>AVERAGE EFFICIENCY :</b>           | <b>85.98%</b> |
| <b>80 PLUS COMPLIANT:</b>             | <b>YES</b>    |



|                      |                       |
|----------------------|-----------------------|
| <b>ID Number</b>     | 6294.1                |
| <b>Manufacturer</b>  | VSP TECHNOLOGY SPREAD |
| <b>Model Number</b>  | VGP550BRN             |
| <b>Serial Number</b> | N/A                   |
| <b>Year</b>          | 2021                  |
| <b>Type</b>          | ATX12V                |
| <b>Test Date</b>     | 1/12/21               |

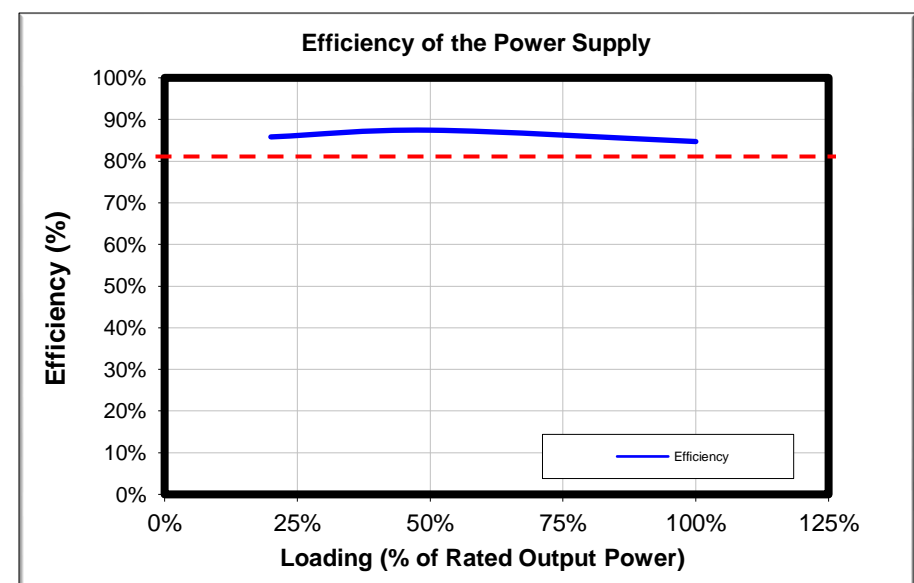
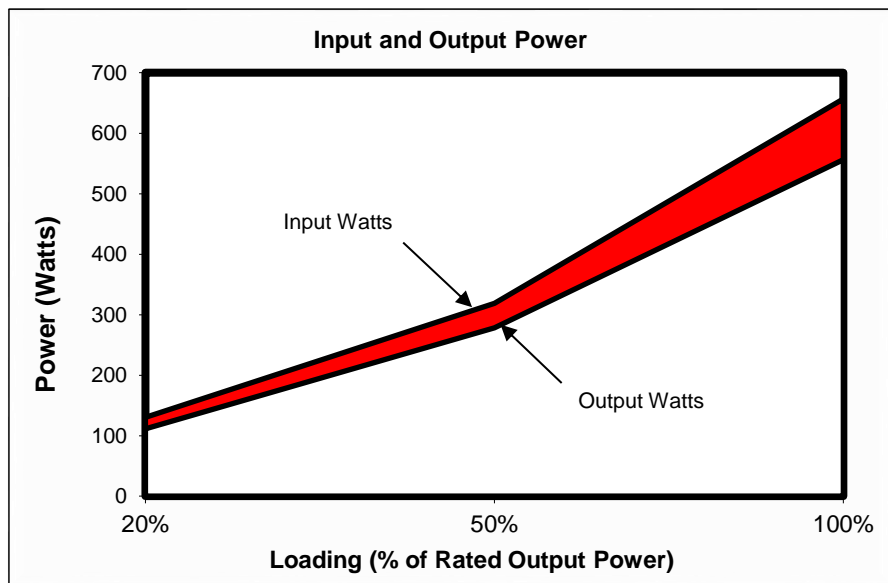


| Rated Specifications      | Value      | Units        |
|---------------------------|------------|--------------|
| Input Voltage             | 100-240    | Volts        |
| Input Current             | 10-5       | Amps         |
| Input Frequency           | 50-60      | Hz           |
| <b>Rated Output Power</b> | <b>550</b> | <b>Watts</b> |

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

Input AC Current Waveform (ITHD = 8.95%, 50% Load)

| I <sub>RMS</sub> | 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      |              |            |
| 0.65             | 0.93 | 19.69%           | 10%  | 68.77       | 12.08/3.75                                   | 11.74/0.03 | 3.34/1.04  | 5.2/1.04   | 5.13/0.23 | 55.73        | 81.03%     |
| 1.18             | 0.95 | 17.17%           | 20%  | 129.90      | 12.09/7.5                                    | 11.77/0.05 | 3.34/2.09  | 5.19/2.08  | 5.12/0.46 | 111.47       | 85.82%     |
| 2.82             | 0.98 | 8.95%            | 50%  | 318.50      | 12.08/18.78                                  | 11.82/0.14 | 3.33/5.22  | 5.17/5.18  | 5.1/1.14  | 278.48       | 87.43%     |
| 5.76             | 0.99 | 5.43%            | 100% | 656.60      | 12.08/37.54                                  | 11.94/0.27 | 3.31/10.45 | 5.14/10.34 | 5.05/2.28 | 556.16       | 84.70%     |



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/>