# 80 PLUS Verification and Testing Report

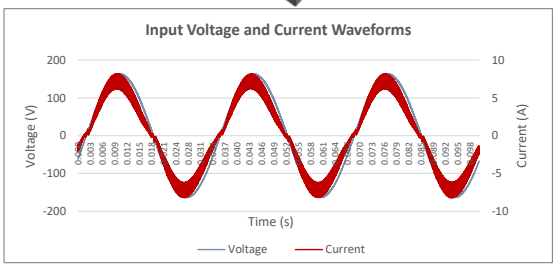
| | |
|---|---|
| TYPICAL EFFICIENCY (50% Load): | 91.65% |
| AVERAGE EFFICIENCY : | 83.48% |
| AVERAGE STANDBY EFFICIENCY : | 77.02% |
| 80 PLUS COMPLIANT: | Gold |




| | |
|---|---|
| ID Number | 8188 |
| Manufacturer | ASUS |
| Model Number | TUF-GAMING-1000G-EVO |
| Sample 1 S/N: | A613021508 |
| Sample 2 S/N: | A613021498 |
| Type | ATX 3.1 |
| Test Date | 5/14/26 |

| Rated | Value | Units |
|---|---|---|
| Input Voltage | 100-240 | Volts |
| Input Current | 13-6.5 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 1000 | Watts |

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



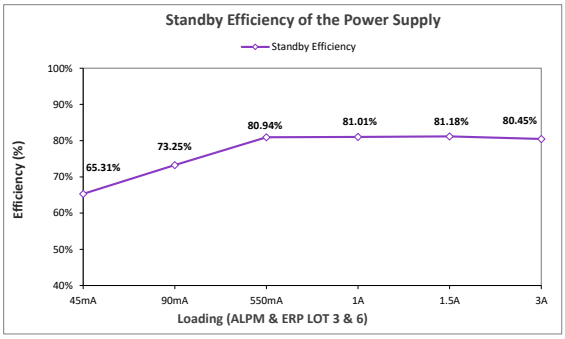

Input AC Current Waveform (ITHD = 8.75%, 50% Load)

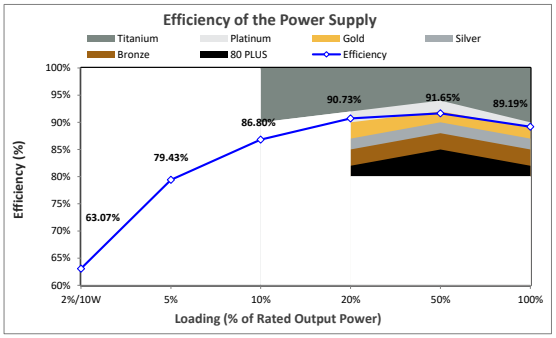
| $I_{RMS}$ (A) | PF | $I_{THD}$ (%) | Load | Input Watts | DC Terminal Voltage (V)/ DC Load Current (A) | | | | | Output Watts | Efficiency |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 12V (cumulative of 12V1, 12V2, etc.) | -12V | 3.3V | 5V | 5VSB | | |
| 0.167 | 0.5729 | 24.71 | 0% | 11.02 | No-Load | | | | | | |
| 0.336 | **0.8243** | 19.48 | 2%/10W | 31.80 | 12.029/1.459 | 11.960/0.005 | 3.272/0.263 | 5.039/0.263 | 5.152/0.053 | 20.06 | **63.07%** |
| 0.608 | **0.9019** | 15.52 | 5% | 63.12 | 12.028/3.645 | 11.958/0.013 | 3.272/0.658 | 5.039/0.658 | 5.147/0.131 | 50.13 | **79.43%** |
| 1.070 | **0.9380** | 13.28 | 10% | 115.44 | 12.027/7.285 | 11.961/0.026 | 3.272/1.316 | 5.040/1.317 | 5.139/0.262 | 100.21 | **86.80%** |
| 1.993 | **0.9640** | 10.18 | 20% | 220.88 | 12.024/14.572 | 11.964/0.053 | 3.271/2.633 | 5.042/2.634 | 5.123/0.525 | 200.40 | **90.73%** |
| 4.819 | **0.9871** | 8.75 | 50% | 546.47 | 12.018/36.433 | 11.972/0.131 | 3.273/6.584 | 5.054/6.585 | 5.074/1.312 | 500.85 | **91.65%** |
| 9.781 | **0.9953** | 4.54 | 100% | 1120.41 | 11.988/72.861 | 11.990/0.262 | 3.272/13.168 | 5.066/13.169 | 4.991/2.623 | 999.35 | **89.19%** |

Note: Efficiency data was obtained from Sample 1 (Serial Number: A613021508)

| $I_{RMS}$ (A) | PF | $I_{THD}$ (%) | Load | Input Watts | DC Terminal Voltage (V)/ DC Load Current (A) | Output Watts | Standby Efficiency |
|---|---|---|---|---|---|---|---|
| | | | | | 5VSB | | |
| 0.072 | 0.0054 | 15.22 | 0mA | 0.04 | Vampire Load | | |
| 0.074 | **0.0417** | 19.70 | 45mA | 0.36 | 5.157/0.045 | 0.23 | **65.31%** |
| 0.080 | **0.0692** | 27.02 | 90mA | 0.63 | 5.155/0.090 | 0.46 | **73.25%** |
| 0.113 | **0.2687** | 68.41 | 550mA | 3.49 | 5.138/0.550 | 2.83 | **80.94%** |
| 0.158 | **0.3469** | 78.83 | 1A | 6.32 | 5.121/1.000 | 5.12 | **81.01%** |
| 0.205 | **0.4004** | 82.44 | 1.5A | 9.43 | 5.102/1.500 | 7.65 | **81.18%** |
| 0.343 | **0.4780** | 84.35 | 3A | 18.81 | 5.042/3.002 | 15.13 | **80.45%** |

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: A613021498)




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.
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