

80 PLUS Verification and Testing Report

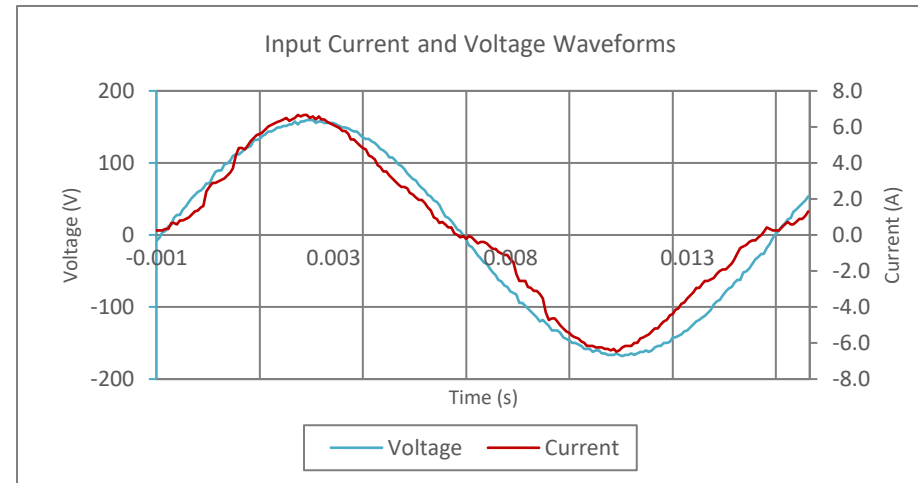
| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 91.98% |
| AVERAGE EFFICIENCY : | 90.75% |
| 80 PLUS COMPLIANT: | YES |



| | |
|----------------------|------------|
| ID Number | 6691 |
| Manufacturer | Gigabyte |
| Model Number | GP-UD850GM |
| Serial Number | N/A |
| Year | 2021 |
| Type | ATX12V |
| Test Date | 10/15/21 |

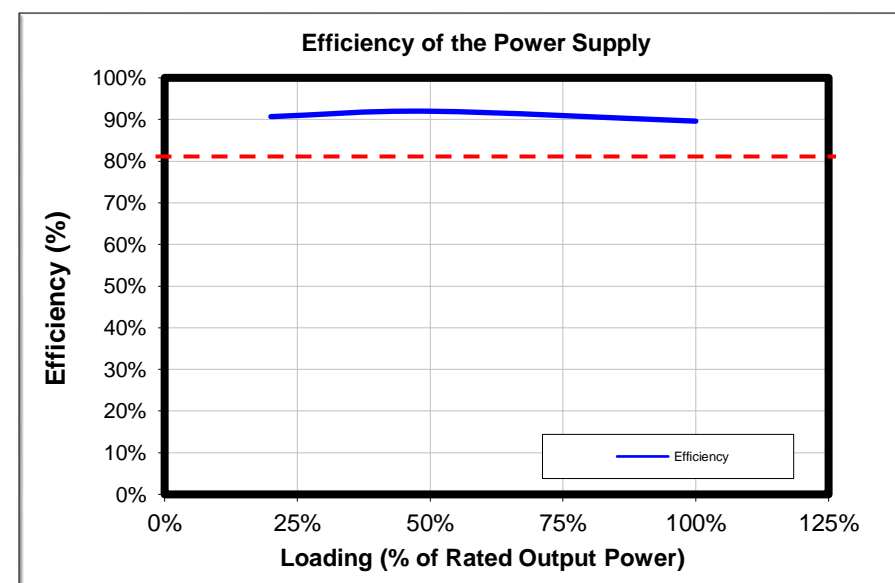
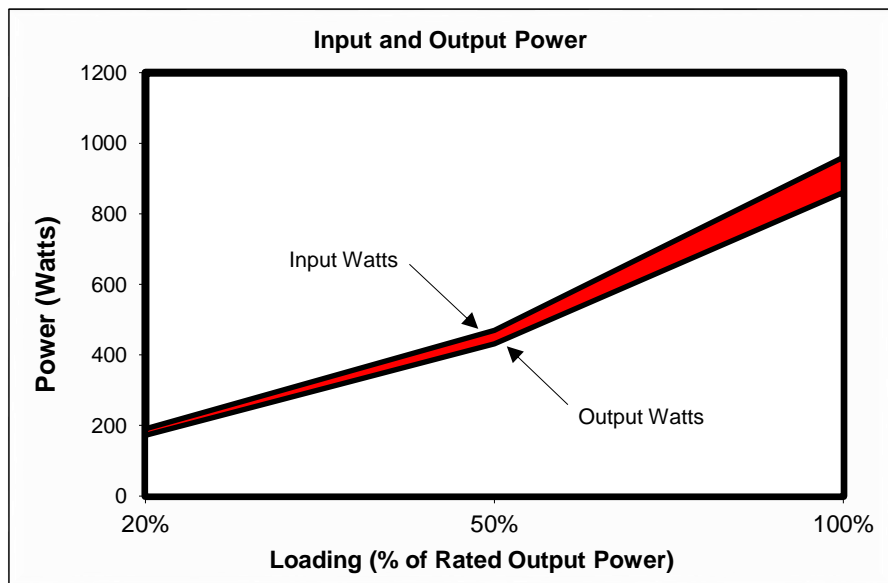
| Rated Specifications | Value | Units |
|---------------------------|------------|--------------|
| Input Voltage | 100-240 | Volts |
| Input Current | 12-6 | Amps |
| Input Frequency | 60-50 | Hz |
| Rated Output Power | 850 | Watts |

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



Input AC Current Waveform (ITHD = 15.12%, 50% Load)

| I _{RMS} | 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 | | |
| 0.89 | 0.96 | 23.19% | 10% | 98.26 | 12.13/6.19 | 12.14/0.03 | 3.39/1.1 | 5.01/1.1 | 5.05/0.26 | 85.96 | 87.49% |
| 1.69 | 0.98 | 16.92% | 20% | 190.20 | 12.15/12.41 | 12.12/0.05 | 3.38/2.21 | 5/2.2 | 5.05/0.52 | 172.48 | 90.69% |
| 4.14 | 0.99 | 15.12% | 50% | 469.10 | 12.14/31.07 | 12.13/0.13 | 3.37/5.52 | 5.01/5.47 | 5.05/1.31 | 431.49 | 91.98% |
| 8.42 | 0.99 | 11.75% | 100% | 960.40 | 12.12/62.07 | 12.58/0.26 | 3.35/11.06 | 4.99/10.94 | 5.05/2.62 | 860.48 | 89.60% |



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/>