

80 PLUS Verification and Testing Report

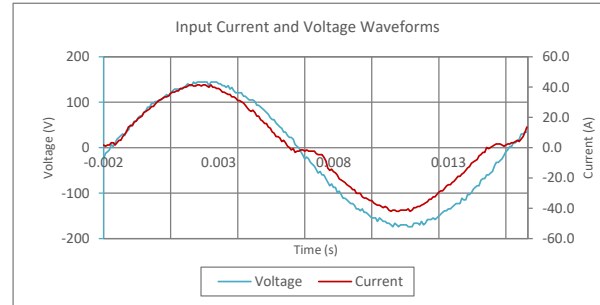
| | |
|---------------------------------------|---------------|
| TYPICAL EFFICIENCY (50% Load): | 90.03% |
| AVERAGE EFFICIENCY : | 88.54% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|---------------------|
| ID Number | 6059 |
| Manufacturer | FSP Technology Inc. |
| Model Number | HGS-550M |
| Serial Number | S0131030009 |
| Year | 2020 |
| Type | ATX12V |
| Test Date | 8/11/20 |

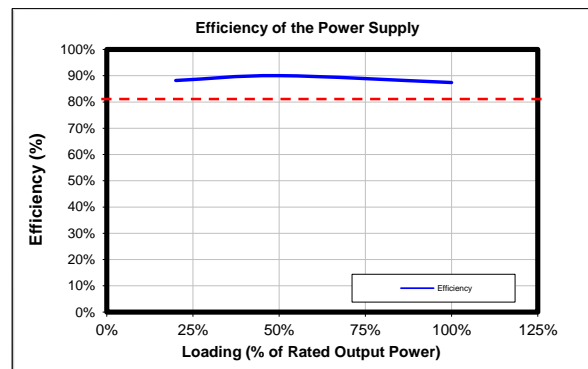
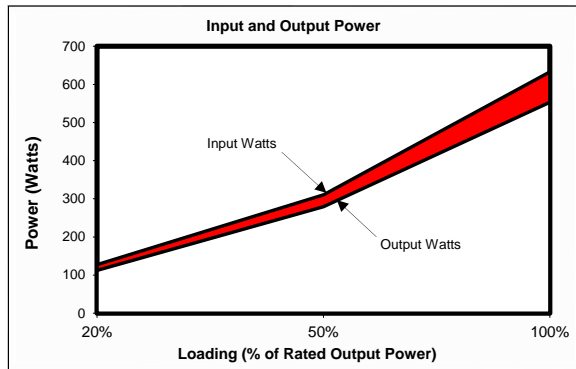
| Rated Specifications | Value | Units |
|----------------------|---------|-------|
| Input Voltage | 100-240 | Volts |
| Input Current | 8-4 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 550 | Watts |

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



Input AC Current Waveform (ITHD = 12.33%, 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 | | |
| 0.60 | 0.97 | 11.13% | 10% | 66.74 | 12.2/3.78 | 11.51/0.02 | 3.35/0.99 | 5.12/0.99 | 5.04/0.25 | 56.01 | 83.92% |
| 1.12 | 0.99 | 12.56% | 20% | 127.14 | 12.18/7.57 | 11.42/0.05 | 3.34/1.98 | 5.18/1.97 | 5.02/0.49 | 112.11 | 88.18% |
| 2.73 | 0.99 | 12.33% | 50% | 310.20 | 12.15/18.95 | 11.43/0.12 | 3.32/4.96 | 5.08/4.92 | 4.98/1.23 | 279.26 | 90.03% |
| 5.54 | 0.99 | 8.81% | 100% | 632.70 | 12.07/37.81 | 11.58/0.25 | 3.27/9.92 | 5.03/9.82 | 4.91/2.47 | 553.05 | 87.41% |



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/>

