

80 PLUS Verification and Testing Report

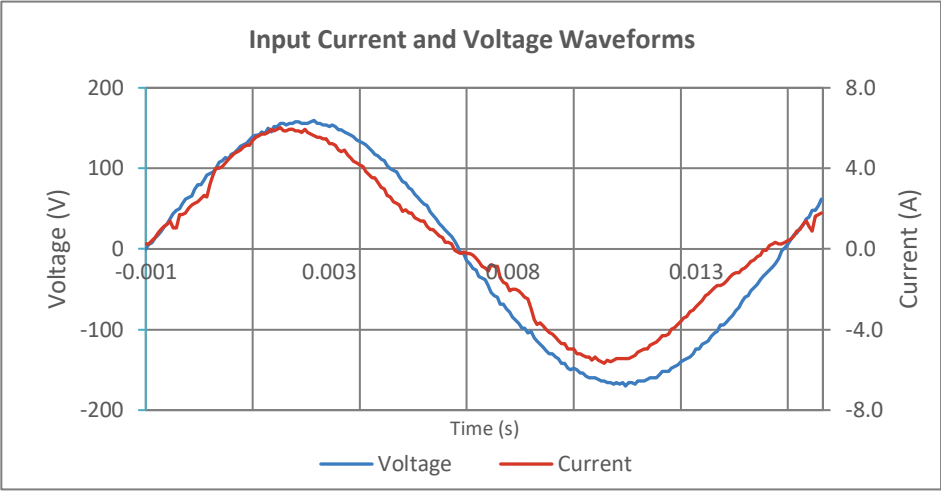
| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 91.24% |
| AVERAGE EFFICIENCY : | 89.03% |
| 80 PLUS COMPLIANT: | Gold |



| | |
|---------------|---------------------------------|
| ID Number | 6896 |
| Manufacturer | Sea Sonic Electronics Co., Ltd. |
| Model Number | 12751GXAFS (VERTEX GX-750) |
| Serial Number | N/A |
| Year | 2022 |
| Type | ATX12V |
| Test Date | 10/21/22 |

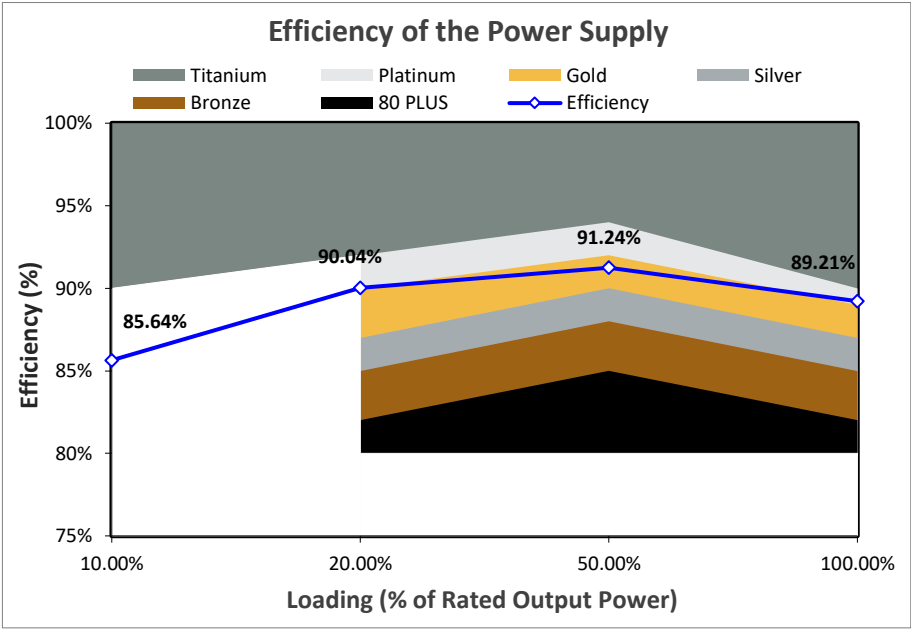
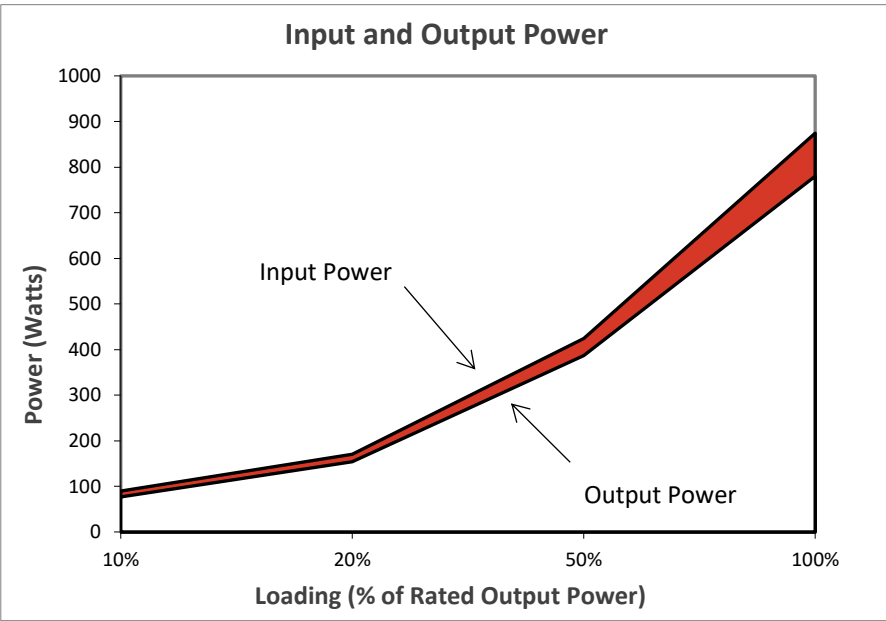
| Rated Specifications | | Value | Units |
|----------------------|--|---------|-------|
| Input Voltage | | 100-240 | Volts |
| Input Current | | 10-5 | Amps |
| Input Frequency | | 50-60 | Hz |
| Rated Output Power | | 750 | Watts |

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



Input AC Current Waveform (ITHD = 13.26%, 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 | | |
| 0.866 | 0.9014 | 12.68% | 10% | 89.81 | 12.28/5.41 | 11.87/0.03 | 3.33/1.05 | 5.03/1.05 | 5.13/0.26 | 76.91 | 85.64% |
| 1.579 | 0.9405 | 11.81% | 20% | 170.73 | 12.3/10.8 | 11.88/0.05 | 3.33/2.1 | 5.02/2.1 | 5.12/0.52 | 153.72 | 90.04% |
| 3.770 | 0.9774 | 13.26% | 50% | 423.70 | 12.37/27.07 | 11.84/0.13 | 3.33/5.23 | 5.02/5.19 | 5.1/1.3 | 386.60 | 91.24% |
| 7.677 | 0.9902 | 9.84% | 100% | 874.30 | 12.51/54.05 | 11.88/0.26 | 3.32/10.47 | 5.02/10.38 | 5.05/2.61 | 779.95 | 89.21% |



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/>