

80 PLUS Verification and Testing Report

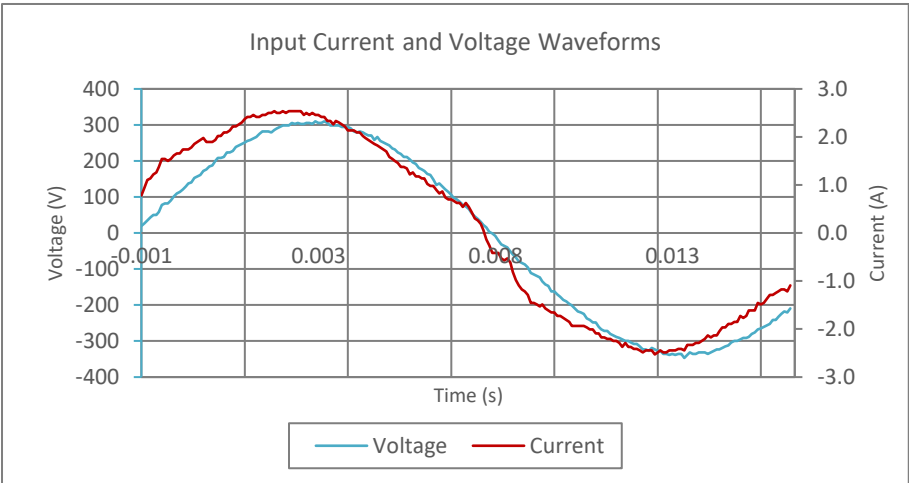
| | |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 88.00% |
| AVERAGE EFFICIENCY : | 86.60% |
| 80 PLUS COMPLIANT: | YES |



| | |
|---------------|-------------------------------|
| ID Number | EU-629 |
| Manufacturer | Sea Sonic Electronics Co.,Ltd |
| Model Number | SSR-700RA |
| Serial Number | N/A |
| Year | 2019 |
| Type | ATX12V,EPS12V |
| Test Date | 12/9/19 |

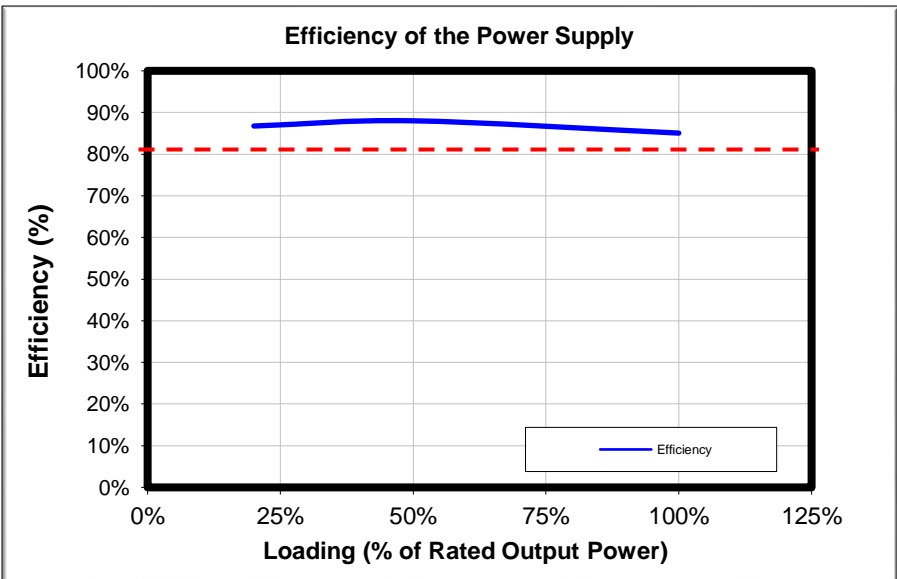
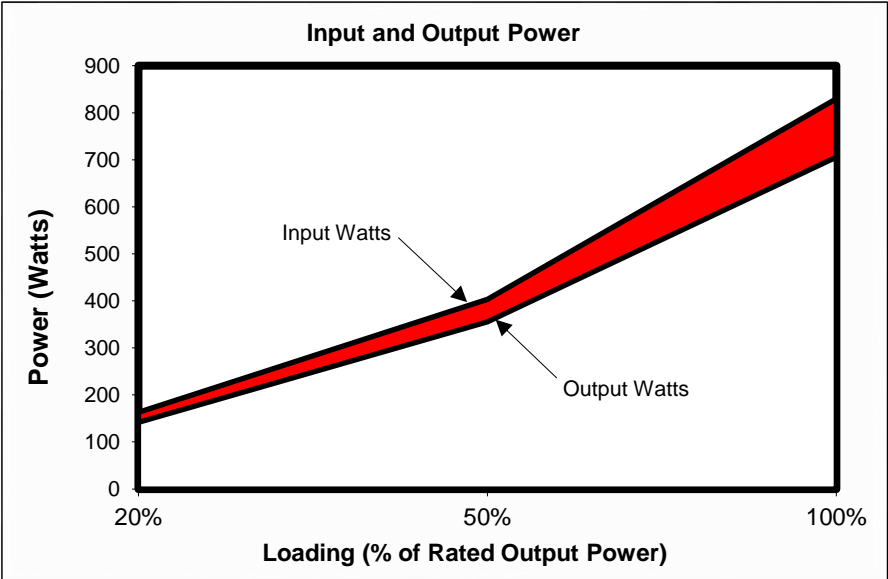
| Rated Specifications | Value | Units |
|----------------------|---------|-------|
| Input Voltage | 200-240 | Volts |
| Input Current | 5 | Amps |
| Input Frequency | 50-60 | Hz |
| Rated Output Power | 700 | Watts |

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 7.02%, 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 | | |
| 0.48 | 0.78 | 19.22% | 10% | 86.16 | 12.11/4.97 | 11.78/0.03 | 3.35/1.1 | 5.15/1.1 | 5.12/0.23 | 71.07 | 82.49% |
| 0.78 | 0.91 | 17.18% | 20% | 163.50 | 12.1/9.92 | 11.96/0.05 | 3.35/2.21 | 5.15/2.2 | 5.11/0.46 | 141.83 | 86.75% |
| 1.79 | 0.98 | 7.02% | 50% | 403.50 | 12.1/24.87 | 12.15/0.14 | 3.34/5.52 | 5.14/5.47 | 5.09/1.15 | 355.10 | 88.00% |
| 3.63 | 0.99 | 5.01% | 100% | 829.60 | 12.04/49.64 | 12.17/0.27 | 3.35/11.04 | 5.14/10.93 | 5.04/2.29 | 705.59 | 85.05% |



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/>

