SILVERSTONE

# SilverStone SFX Platinum 700W

Serial Number DESX700PT019280244

Lab ID SL19700124

Certification ID 25869

Test Result Report ID:

Certificate Issue Date: Oct 15, 2019

Scheme: ETA-EMI PSU

115V

230V

115V

230V

Scheme: LAMBDA PSU

Aristeidis Bitziopoulos, Certification Body General Manager

# General Information

## Test Equipment

| | |
|---|---|
| Electronic Loads | Chroma 63601-5 x2<br>Chroma 63600-2<br>Chroma 63640-80-80 x10<br>Chroma 63610-80-20 |
| AC Sources | Chroma 6530, APM SP300VAC4000W-P, GW Instek ASR-3500 |
| Power Analyzers | Rohde & Schwarz HMC8015 & NPA701 |
| Oscilloscopes | Picoscope 4444, Siglent SDS2104X PLUS |
| Sound Analyzer | Bruel & Kjaer 2270 G4 |
| Microphone | Bruel & Kjaer Type 4955-A |
| Temperature Logger | Picoscope TC-08 |
| Tachometer | UNI-T UT372 |
| Multimeters | Keysight 34465A |
| EMI Analyzer | TekBox TBMR-110M-EU |
| Isolation Transformer | 4kVA |
| UPS | FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA |
| Testing Methodology | Cybenetics PSU Test Protocol |

## DUT Information(Non-accredited measurements)

| | |
|---|---|
| Product Identification Details | |
| Brand | SilverStone |
| Model | SFX Platinum 700W |
| OEM/ODM | High Power |
| Serial Number | DESX700PT019280244 |
| Product Specifications | |
| Manufacturer-Provided Information | |
| Rated Voltage (Vrms) | 100-240 |
| Rated Current (Arms) | 10 |
| Rated Frequency (Hz) | 50-60 |

| | |
|---|---|
| Rated Power (W) | 700 |
| Operating Temperature (Continuous Full Load) (°C) | |
| Type | SFX |
| Cable Design | Fully Modular |
| Warranty | - |
| Cybenetics Measurements | |
| Dimensions (W x H x D) | |
| Weight | |
| Cooling | 92mm Fluid Dynamic Bearing Fan<br>(S0921512HB) |
| Semi-Passive Operation | ✗ |
| Cybenetics Testing Information | |
| Lab ID | SL19700124 |
| Date of receipt | Sep 30, 2019 |
| Testing Date | Aug 10, 2019 |
| Report Issued Date | Oct 15, 2019 |
| Engineer Name | - |
| Authorized By the Laboratory Technical Manager | Aristeidis Bitziopoulos |
| Signature | |

## Cables and Connectors(Non-accredited measurements)

| Modular Cables | | | | |
|---|---|---|---|---|
| Description | Cable Count | Connector Count (Total) | Gauge | In Cable Capacitors |
| ATX connector 20+4 pin (300-330mm) | 1 | 1 | 16-22AWG | No |
| 4+4 pin EPS12V (550mm) | 1 | 1 | 16AWG | No |
| 4+4 pin EPS12V (405mm) | 1 | 1 | 16AWG | No |
| 6+2 pin PCIe (550mm+150mm) | 1 | 2 | 16-18AWG | No |
| 6+2 pin PCIe (400mm+150mm) | 1 | 2 | 16-18AWG | No |
| SATA (300mm+200mm+100mm) | 2 | 6 | 18AWG | No |
| 4-pin Molex (300mm+200mm+200mm) | 1 | 3 | 18AWG | No |
| FDD Adapter (+105mm) | 1 | 1 | 22AWG | No |

| | | | | | |
|---|---|---|---|---|---|
| AC Power Cord (1400mm) - C13 coupler | 1 | 1 | 18AWG | - | |

## Power Specifications

| Rail | | 3.3V | 5V | 12V | 5VSB | -12V |
|---|---|---|---|---|---|---|
| Max. Power | Amps | 22 | 22 | 58.4 | 2.5 | 0.3 |
| | Watts | 110 | | 700 | 12.5 | 3.6 |
| Total Max. Power (W) | | 700 | | | | |

## Parts Description

| General Data | |
|---|---|
| Manufacturer (OEM) | High Power |
| PCB Type | Double Sided |
| Primary Side | |
| Transient Filter | 4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x Discharge IC |
| Inrush Protection | NTC Thermistor & Relay |
| Bridge Rectifier(s) | 2x HY GBU1506L (600V, 15A @ 100°C) |
| APFC MOSFETS | 2x Infineon IPA60R120C7 (650V, 7A @ 100°C, 0.12Ohm) |
| APFC Boost Diode | 1x Infineon IDH08G65C6 (650V, 8A @ 145°C) |
| Hold-up Cap(s) | 1x Rubycon (420V, 470uF, 3,000h @ 85°C, USH) |
| Main Switchers | 2x Infineon IPA60R120C7 (650V, 7A @ 100°C, 0.12Ohm) |
| IC Driver | 1x Silicon Labs Si8233BD |
| APFC Controller | Infineon ICE3PCS01G |
| Resonant Controllers | Champion CM6901 |
| Topology | Primary side: Half-Bridge & LLC converter<br>Secondary side: Synchronous Rectification & DC-DC converters |
| Secondary Side | |
| +12V MOSFETS | 6x Toshiba TPHR8504PL (40V, 150A @ 25°C, 0.85mOhm) |
| 5V & 3.3V | DC-DC Converters: 6x Infineon BSC0906NS (30V, 40A @ 100°C, 4.5mOhm)<br>PWM Controllers: ANPEC APW7159 |
| Filtering Capacitors | Electrolytics: 3x Nippon Chemi-Con (4-10,000h @ 105°C, KY), 2x Nippon Chemi-Con (1-5,000h @ 105°C, KZE), 2x Rubycon (3-6,000h @ 105°C, YXG)<br>Polymers: 18x FPCAP, 3x United Chemi-Con |
| Supervisor IC | SITI PS224 (OVP, UVP, OCP, SCP, PG) |

| | |
|---|---|
| Fan Controller | STC 15W408AS |
| Fan Model | Globe Fan S0921512HB (92mm, 12V, 0.45A, Fluid Dynamic Bearing Fan) |
| 5VSB Circuit | |
| Rectifier | 1x PFC P10V45SP SBR (45V, 10A) |
| Standby PWM Controller | Sanken STR-A6069H |
| -12V | |
| Rectifier | KEC KIA7912PI (-12V, 1A) |

# Test Results

## Temperature & Compliance Info

| | |
|---|---|
| Temperature Range (°C /°F) | 28-32 / 82.4-89.6 |
| ErP Lot 3/6 Ready | ✓ |
| (EU) No 617/2013 Compliance | ✓ |

## Performance Summary

### 115V

| | |
|---|---|
| Accredited | |
| Average Efficiency (>1450 load combinations) | 90.364% |
| Average Noise Output (>1450 Load Combinations) | 36.22dBA |
| Average PF (>1450 Load Combinations) | 0.990 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 63.128% |
| Standby Power Consumption | 0.0883W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 55.74mV |
| 5V Ripple (Full Load) | 23.25mV |
| 3.3V Ripple (Full Load) | 39.42mV |
| 5VSB Ripple (Full Load) | 13.52mV |
| 12V Load Regulation | 0.82% |
| 5V Load Regulation | 1.38% |

| | |
|---|---|
| 3.3V Load Regulation | 2.23% |
| 5VSB Load Regulation | 2.48% |
| Inrush Current | 34.531A |

## 230V

| | | |
|---|---|---|
| Accredited | | |
| Average Efficiency (>1450 load combinations) | | 92.102% |
| Average Noise Output (>1450 Load Combinations) | | 35.84dBA |
| Average PF (>1450 Load Combinations) | | 0.956 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | | - |
| Standby Power Consumption | | 0.1452W |
| Non-Accredited | | |
| 12V Ripple (Full Load) | | 50.43mV |
| 5V Ripple (Full Load) | | 20.82mV |
| 3.3V Ripple (Full Load) | | 35.89mV |
| 5VSB Ripple (Full Load) | | 11.50mV |
| 12V Load Regulation | | 0.84% |
| 5V Load Regulation | | 1.34% |
| 3.3V Load Regulation | | 2.17% |
| 5VSB Load Regulation | | 2.42% |
| Inrush Current | | 75.504A |
| Hold-Up Time & PWR_OK Signal | | 6.80ms |
| AC Loss to PWR_OK Hold Up Time | | 8.10ms |
| PWR_OK Inactive to DC Loss Delay | | -1.30ms |
| PSU Timings: T1 (20% / 100%) | 102.0ms | 102.0ms |
| PSU Timings: T3 (20% / 100%) | 280.0ms | 268.0ms |
| OPP (0.00°C / 0.00°C) | 125.03% | - |

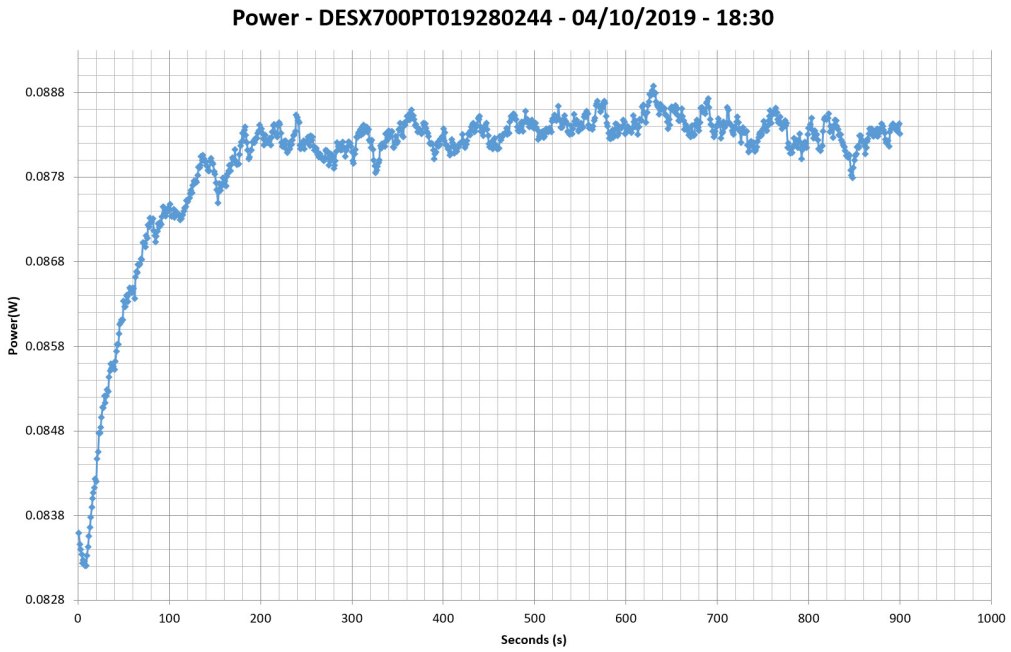
## Hold-Up Time & PWR_OK Signal

| | |
|---|---|
| Hold-Up Time (ms) | 6.8 |
| AC Loss to PWR_OK Hold Up Time (ms) | 8.1 |
| PWR_OK Inactive to DC Loss Delay (ms) | -1.3 |

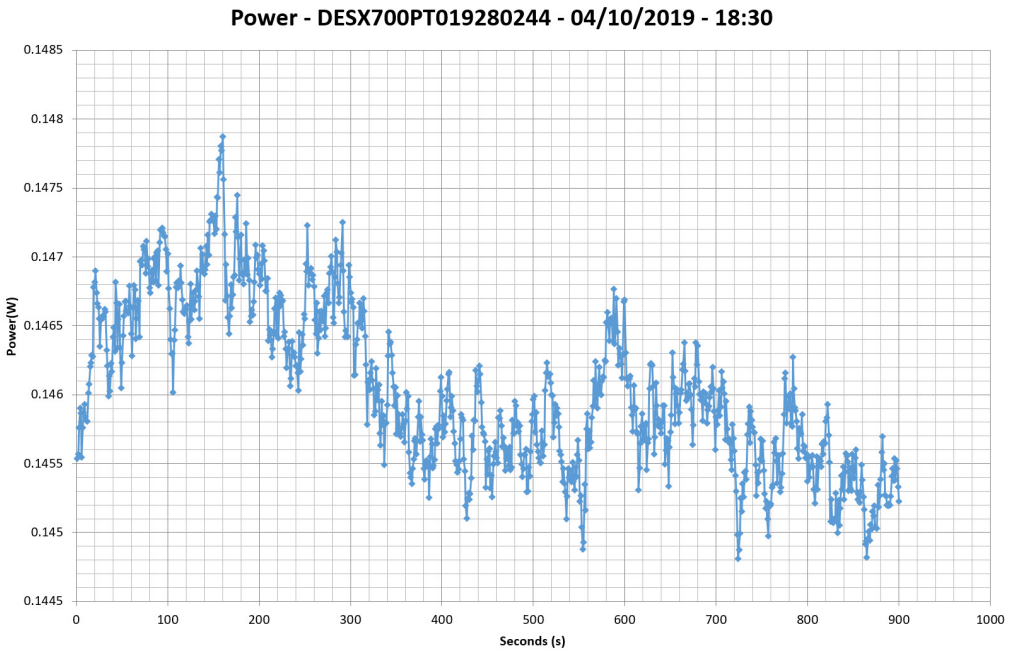
## Vampire Power

### Graphs

**115V**

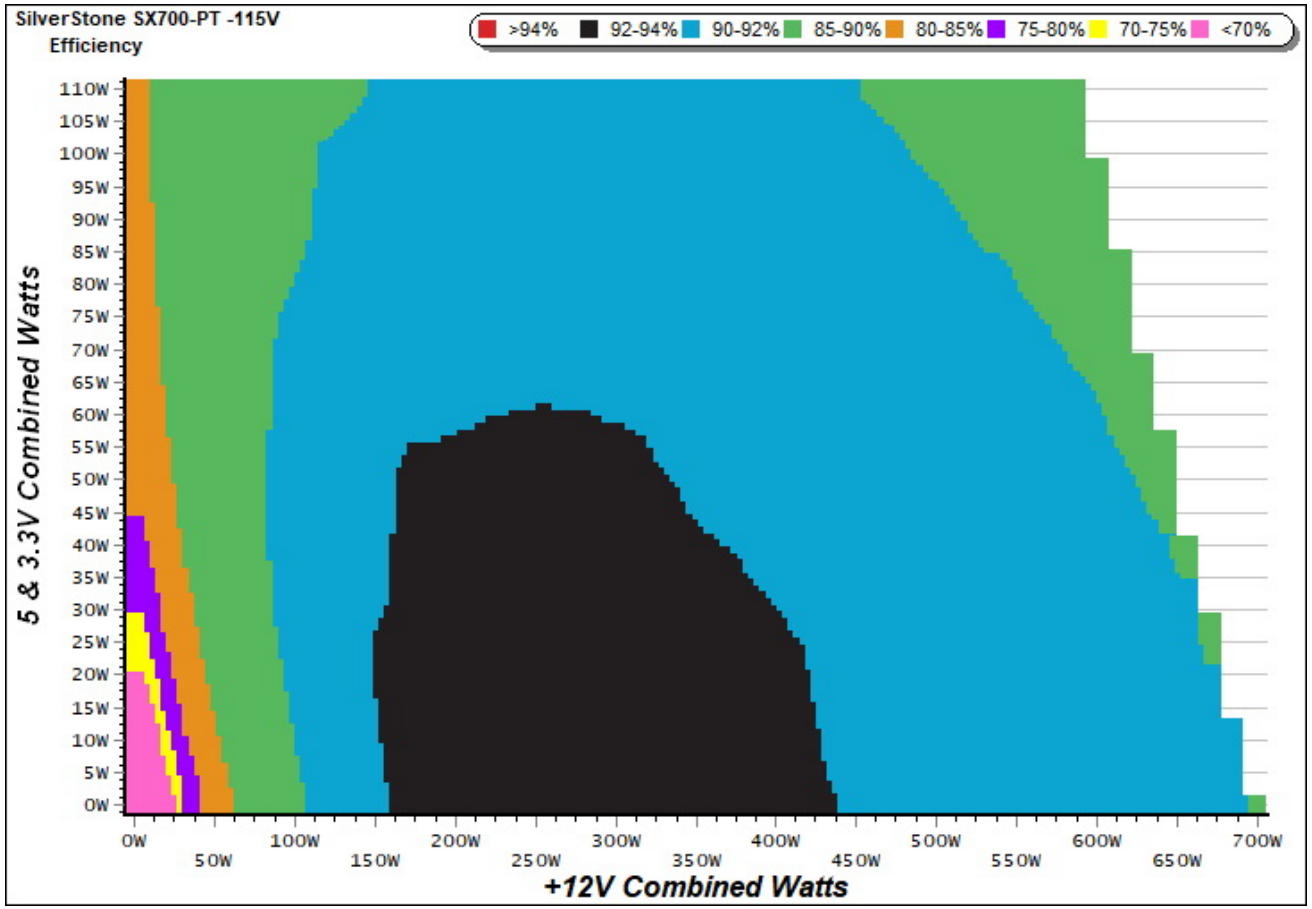



**230V**



## Efficiency Graph

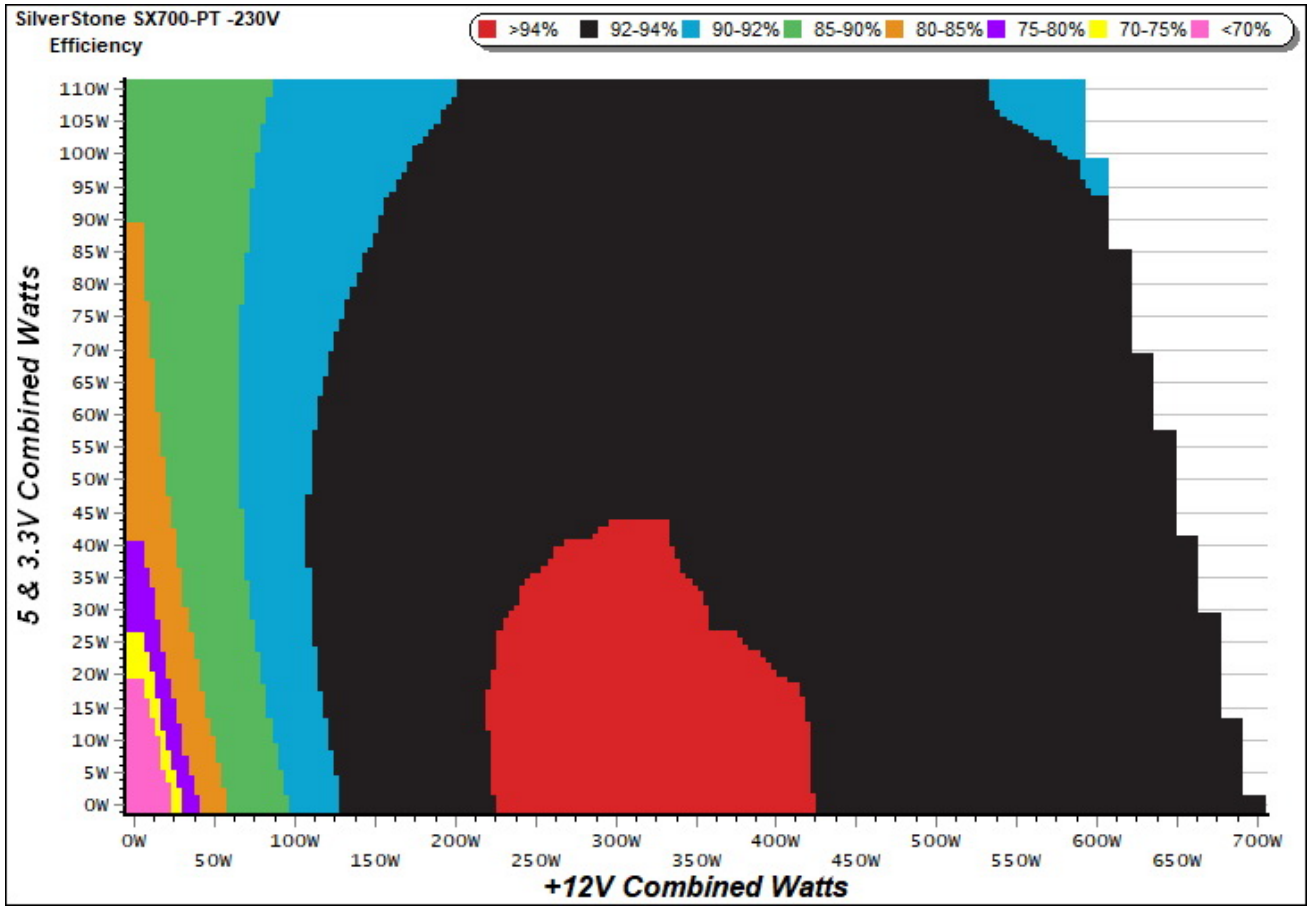
### 115V




### INFO

This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations.

## 230V

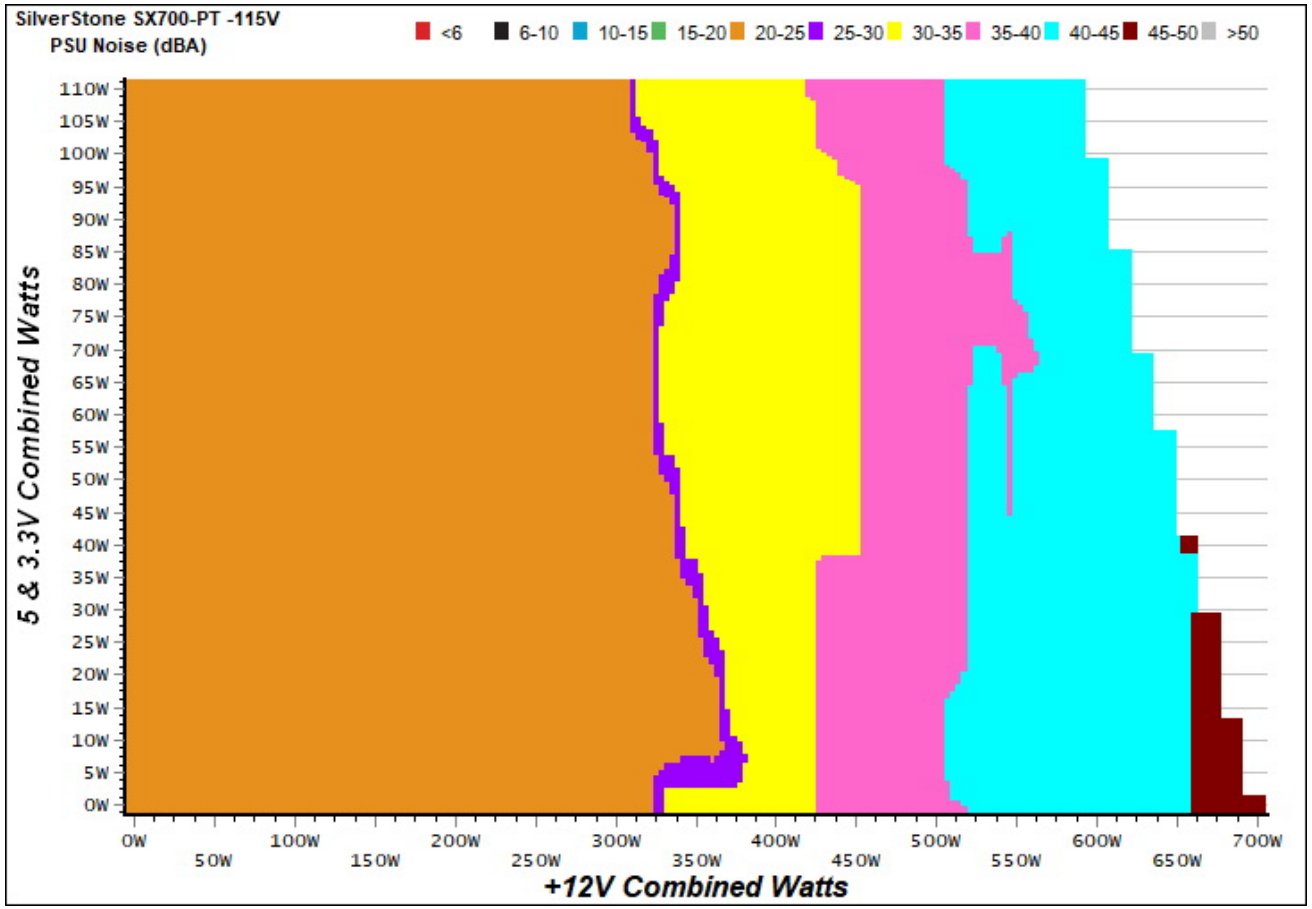



### INFO

This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations.

## Noise Graph

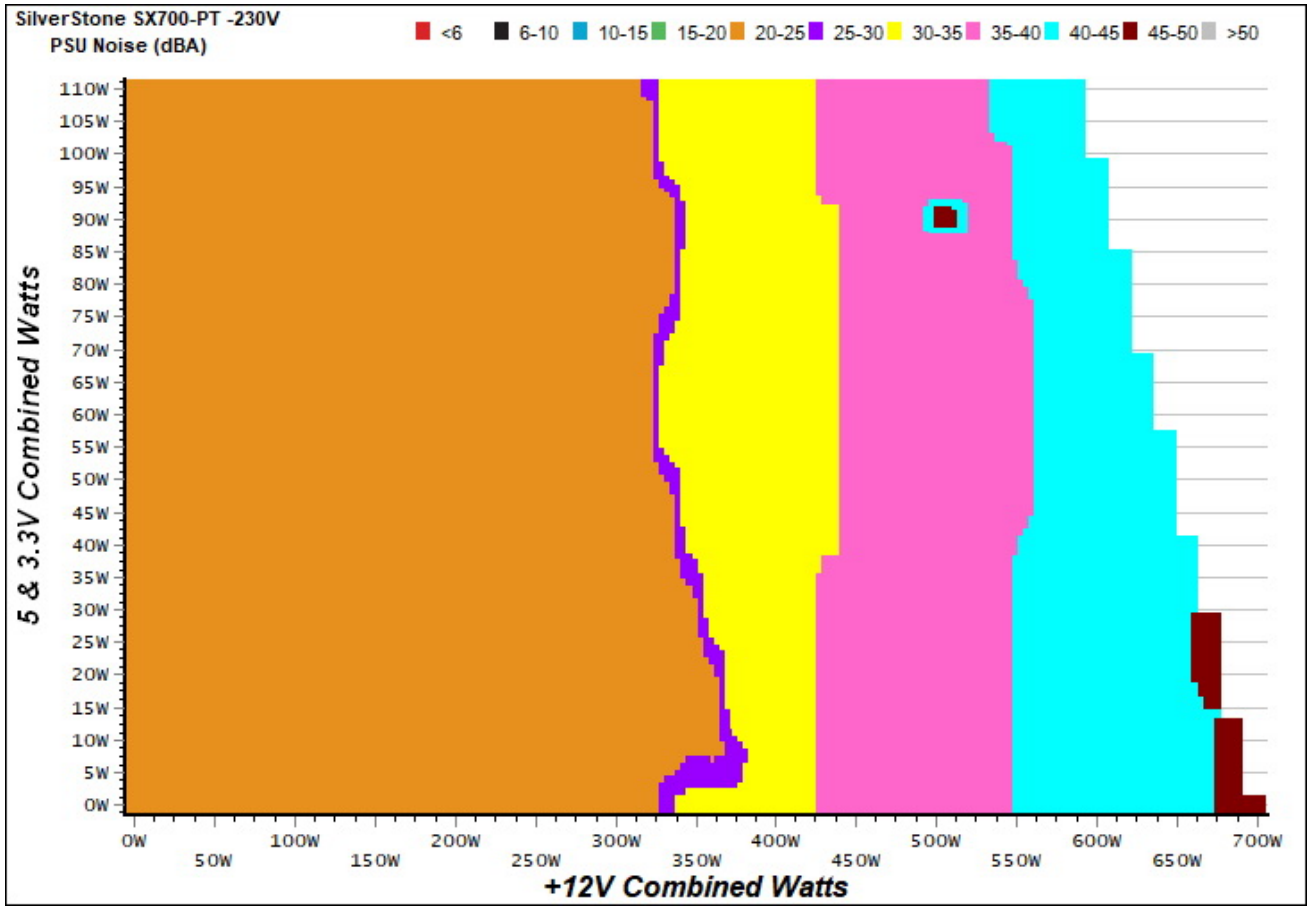
### 115V




### INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails.

## 230V

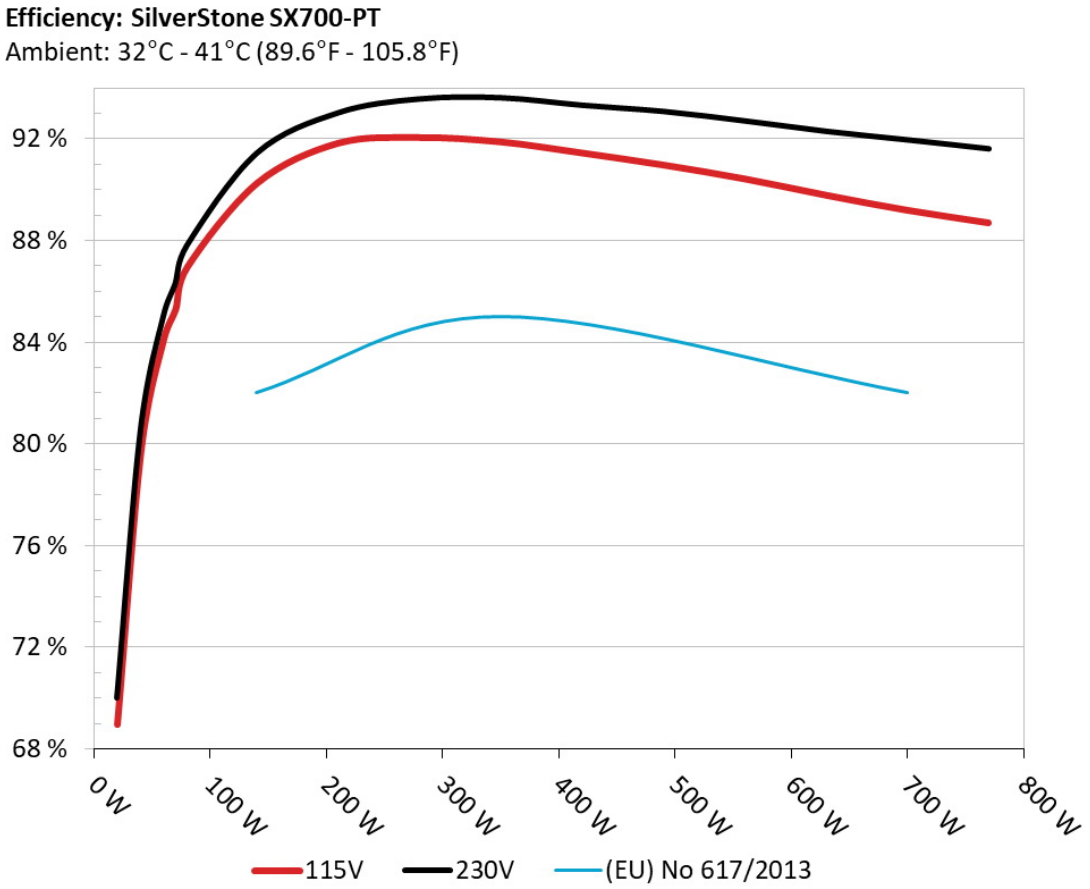



### INFO

The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails.

## Indicative Performance

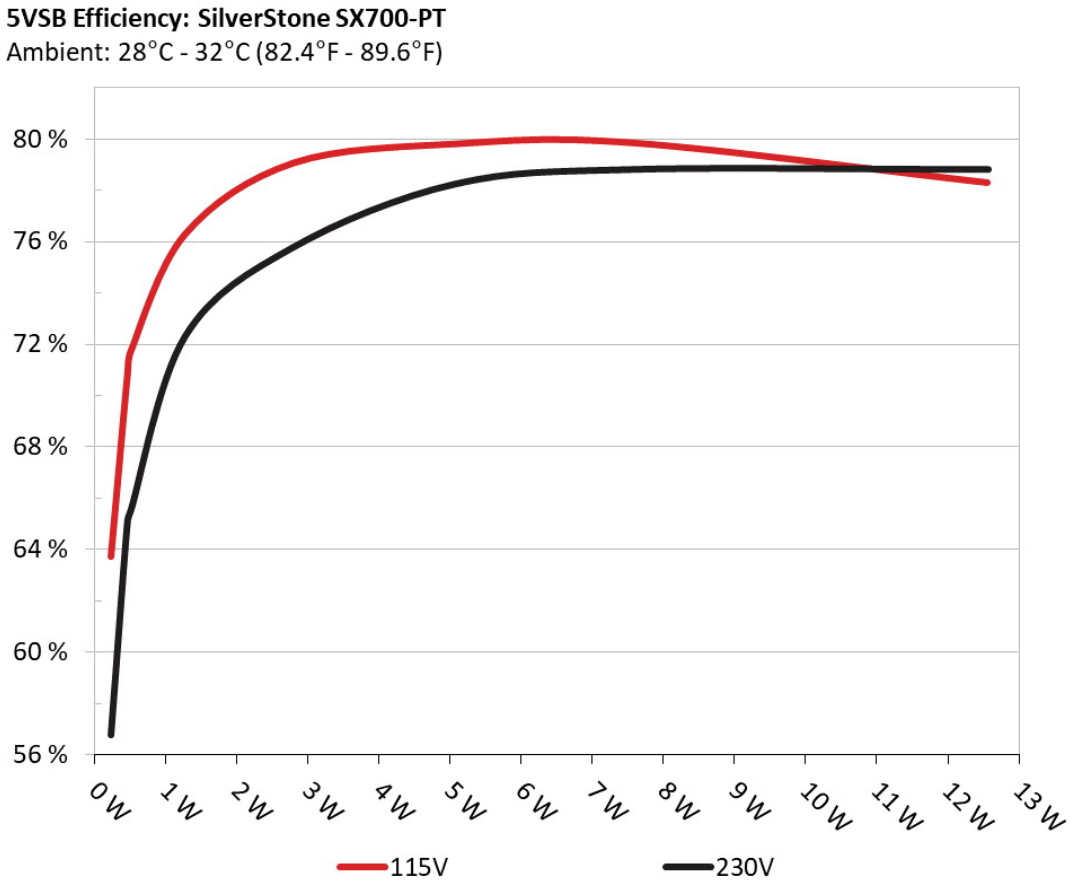
### Efficiency under high ambient temperature




**INFO**

The PSU`s efficiency under high ambient temperatures with 115V and 230V input. For this graph the results of the 10-110% load regulation table are used.

## 5VSB Efficiency




### INFO

This graph depicts the efficiency levels of the 5VSB rail with 115V and 230V input.

## 5VSB Efficiency (ERP LOT 3/6 & CEC)

### 115V

| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts |
|---|---|---|---|---|
| 1 | 0.045A | 0.230 | 63.712% | 0.062 |
| | 5.101V | 0.361 | | 115.12V |
| 2 | 0.090A | 0.460 | 70.769% | 0.107 |
| | 5.099V | 0.650 | | 115.12V |
| 3 | 0.550A | 2.798 | 79.062% | 0.324 |
| | 5.086V | 3.539 | | 115.13V |
| 4 | 1.000A | 5.074 | 79.805% | 0.383 |
| | 5.073V | 6.358 | | 115.13V |
| 5 | 1.500A | 7.591 | 79.838% | 0.414 |
| | 5.060V | 9.508 | | 115.13V |
| 6 | 2.500A | 12.549 | 78.294% | 0.446 |
| | 5.019V | 16.028 | | 115.12V |

### 230V

| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts |
|---|---|---|---|---|
| 1 | 0.045A | 0.230 | 56.790% | 0.021 |
| | 5.100V | 0.405 | | 230.27V |
| 2 | 0.090A | 0.460 | 65.064% | 0.037 |
| | 5.098V | 0.707 | | 230.27V |
| 3 | 0.550A | 2.794 | 75.800% | 0.164 |
| | 5.080V | 3.686 | | 230.27V |
| 4 | 1.000A | 5.069 | 78.262% | 0.236 |
| | 5.068V | 6.477 | | 230.26V |
| 5 | 1.500A | 7.582 | 78.831% | 0.285 |
| | 5.054V | 9.618 | | 230.27V |
| 6 | 2.500A | 12.567 | 78.830% | 0.337 |
| | 5.026V | 15.942 | | 230.27V |

## Supplementary Tests (For Reference)

### Typical Load Tests

#### 115V

| Test # | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.946A | 1.975A | 1.965A | 0.989A | 69.727 | 85.291% | 1299 | 20.0 | 34.35°C | 0.960 |
| | 12.197V | 5.063V | 3.357V | 5.058V | 81.752 | | | | 38.48°C | 115.12V |
| 2 | 8.941A | 2.968A | 2.956A | 1.190A | 139.821 | 90.258% | 1303 | 20.1 | 34.85°C | 0.981 |
| | 12.182V | 5.054V | 3.349V | 5.044V | 154.913 | | | | 39.53°C | 115.12V |
| 3 | 14.278A | 3.467A | 3.440A | 1.390A | 209.762 | 91.835% | 1305 | 20.1 | 35.03°C | 0.994 |
| | 12.170V | 5.048V | 3.342V | 5.036V | 228.411 | | | | 40.59°C | 115.12V |
| 4 | 19.626A | 3.969A | 3.960A | 1.592A | 279.773 | 92.059% | 1306 | 20.2 | 35.23°C | 0.996 |
| | 12.155V | 5.041V | 3.336V | 5.026V | 303.906 | | | | 41.19°C | 115.12V |
| 5 | 24.642A | 4.970A | 4.956A | 1.796A | 349.886 | 91.885% | 1310 | 20.2 | 35.42°C | 0.995 |
| | 12.149V | 5.034V | 3.328V | 5.010V | 380.785 | | | | 42.03°C | 115.12V |
| 6 | 29.666A | 5.971A | 5.965A | 2.002A | 419.988 | 91.449% | 1899 | 32.5 | 36.64°C | 0.996 |
| | 12.141V | 5.026V | 3.319V | 4.997V | 459.257 | | | | 43.73°C | 115.12V |
| 7 | 34.710A | 6.977A | 6.978A | 2.206A | 490.115 | 90.977% | 2183 | 36.4 | 37.25°C | 0.996 |
| | 12.129V | 5.018V | 3.311V | 4.988V | 538.725 | | | | 44.85°C | 115.12V |
| 8 | 39.755A | 7.986A | 7.997A | 2.412A | 560.214 | 90.429% | 2473 | 39.4 | 37.39°C | 0.997 |
| | 12.119V | 5.010V | 3.302V | 4.978V | 619.505 | | | | 45.80°C | 115.12V |
| 9 | 45.212A | 8.497A | 8.499A | 2.414A | 629.953 | 89.790% | 2938 | 44.9 | 38.51°C | 0.997 |
| | 12.108V | 5.004V | 3.295V | 4.972V | 701.581 | | | | 47.42°C | 115.11V |
| 10 | 50.676A | 9.009A | 9.034A | 2.520A | 700.255 | 89.196% | 3072 | 45.7 | 39.76°C | 0.997 |
| | 12.097V | 4.997V | 3.288V | 4.962V | 785.071 | | | | 49.35°C | 115.11V |
| 11 | 56.456A | 9.012A | 9.045A | 2.522A | 769.765 | 88.706% | 3067 | 45.7 | 40.80°C | 0.998 |
| | 12.090V | 4.994V | 3.284V | 4.957V | 867.768 | | | | 50.74°C | 115.10V |
| CL1 | 0.144A | 13.003A | 12.999A | 0.000A | 110.335 | 84.563% | 1369 | 21.5 | 36.02°C | 0.974 |
| | 12.218V | 5.029V | 3.322V | 5.076V | 130.476 | | | | 42.27°C | 115.12V |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CL2 | 58.354A | 1.002A | 1.001A | 1.000A | 719.459 | 89.681% | 3074 | 45.7 | 39.61°C | 0.998 |
| | 12.100V | 5.031V | 3.318V | 5.013V | 802.245 | | | | 49.10°C | 115.10V |

The results above are not used in the certification process

**230V**

| Test # | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.941A | 1.975A | 1.964A | 0.989A | 69.686 | 86.295% | 1311 | 20.3 | 35.34°C | 0.828 |
| | 12.202V | 5.064V | 3.358V | 5.058V | 80.753 | | | | 39.69°C | 230.24V |
| 2 | 8.934A | 2.968A | 2.954A | 1.190A | 139.778 | 91.432% | 1311 | 20.3 | 35.59°C | 0.930 |
| | 12.187V | 5.055V | 3.350V | 5.043V | 152.876 | | | | 40.46°C | 230.24V |
| 3 | 14.269A | 3.467A | 3.441A | 1.390A | 209.717 | 93.024% | 1311 | 20.3 | 36.52°C | 0.960 |
| | 12.174V | 5.049V | 3.343V | 5.035V | 225.444 | | | | 41.72°C | 230.24V |
| 4 | 19.611A | 3.966A | 3.957A | 1.592A | 279.732 | 93.570% | 1313 | 20.3 | 37.18°C | 0.972 |
| | 12.163V | 5.043V | 3.336V | 5.026V | 298.954 | | | | 42.89°C | 230.25V |
| 5 | 24.631A | 4.967A | 4.958A | 1.796A | 349.848 | 93.618% | 1317 | 20.4 | 37.52°C | 0.979 |
| | 12.153V | 5.035V | 3.328V | 5.010V | 373.698 | | | | 43.51°C | 230.25V |
| 6 | 29.663A | 5.972A | 5.965A | 2.002A | 419.956 | 93.323% | 1905 | 32.5 | 37.73°C | 0.984 |
| | 12.141V | 5.026V | 3.319V | 4.997V | 450.001 | | | | 44.52°C | 230.25V |
| 7 | 34.700A | 6.976A | 6.978A | 2.206A | 490.100 | 93.080% | 2188 | 36.5 | 38.28°C | 0.988 |
| | 12.132V | 5.019V | 3.311V | 4.988V | 526.538 | | | | 46.12°C | 230.24V |
| 8 | 39.752A | 7.986A | 7.994A | 2.411A | 560.210 | 92.706% | 2654 | 41.6 | 38.35°C | 0.991 |
| | 12.120V | 5.011V | 3.302V | 4.978V | 604.288 | | | | 46.54°C | 230.26V |
| 9 | 45.212A | 8.497A | 8.498A | 2.414A | 629.951 | 92.298% | 3038 | 45.2 | 39.18°C | 0.993 |
| | 12.108V | 5.004V | 3.295V | 4.973V | 682.517 | | | | 47.79°C | 230.26V |
| 10 | 50.668A | 9.008A | 9.033A | 2.519A | 700.256 | 91.961% | 3062 | 45.6 | 39.87°C | 0.994 |
| | 12.099V | 4.998V | 3.288V | 4.963V | 761.469 | | | | 49.11°C | 230.26V |
| 11 | 56.459A | 9.012A | 9.048A | 2.522A | 769.858 | 91.612% | 3060 | 45.6 | 40.62°C | 0.995 |
| | 12.091V | 4.994V | 3.283V | 4.957V | 840.350 | | | | 50.40°C | 230.26V |
| CL1 | 0.149A | 13.003A | 12.999A | 0.000A | 110.356 | 85.403% | 1349 | 20.7 | 36.96°C | 0.876 |
| | 12.219V | 5.027V | 3.321V | 5.076V | 129.218 | | | | 43.43°C | 230.26V |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| CL2 | 58.350A | 1.003A | 1.000A | 1.000A | 719.353 | 92.491% | 3062 | 45.6 | 39.53°C | 0.995 |
| | 12.099V | 5.030V | 3.317V | 5.013V | 777.752 | | | | 47.63°C | 230.26V |

The results above are not used in the certification process

## Light Load Tests

### 115V

| Test # | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.187A | 0.493A | 0.475A | 0.197A | 19.561 | 68.969% | 1285 | 19.7 | 0.847 |
| | 12.182V | 5.070V | 3.365V | 5.088V | 28.362 | | | | 115.12V |
| 2 | 2.436A | 0.987A | 0.982A | 0.394A | 39.989 | 79.763% | 1293 | 19.9 | 0.932 |
| | 12.186V | 5.067V | 3.363V | 5.079V | 50.135 | | | | 115.12V |
| 3 | 3.618A | 1.480A | 1.460A | 0.592A | 59.509 | 84.125% | 1298 | 20.0 | 0.955 |
| | 12.191V | 5.065V | 3.360V | 5.068V | 70.739 | | | | 115.12V |
| 4 | 4.866A | 1.975A | 1.966A | 0.790A | 79.933 | 86.970% | 1298 | 20.0 | 0.970 |
| | 12.194V | 5.062V | 3.357V | 5.064V | 91.909 | | | | 115.12V |

The results above are not used in the certification process

### 230V

| Test # | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.186A | 0.493A | 0.475A | 0.197A | 19.563 | 70.008% | 1297 | 20.0 | 0.529 |
| | 12.193V | 5.072V | 3.366V | 5.087V | 27.944 | | | | 230.25V |
| 2 | 2.434A | 0.987A | 0.981A | 0.394A | 39.982 | 80.588% | 1303 | 20.1 | 0.696 |
| | 12.193V | 5.069V | 3.363V | 5.078V | 49.613 | | | | 230.24V |
| 3 | 3.614A | 1.480A | 1.458A | 0.592A | 59.484 | 85.020% | 1308 | 20.2 | 0.793 |
| | 12.199V | 5.066V | 3.360V | 5.067V | 69.965 | | | | 230.24V |
| 4 | 4.860A | 1.974A | 1.965A | 0.790A | 79.873 | 87.811% | 1311 | 20.3 | 0.854 |
| | 12.198V | 5.063V | 3.357V | 5.062V | 90.960 | | | | 230.24V |

The results above are not used in the certification process

## Ripple Measurements

### 115V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 12.4 mV | 8.6 mV | 9.6 mV | 6.4 mV | Pass |
| 20% Load | 11.6 mV | 8.5 mV | 12.6 mV | 6.4 mV | Pass |
| 30% Load | 11.4 mV | 9.1 mV | 16.5 mV | 9.2 mV | Pass |
| 40% Load | 14.5 mV | 16.2 mV | 21.1 mV | 8.1 mV | Pass |
| 50% Load | 18.3 mV | 16.5 mV | 21.1 mV | 7.5 mV | Pass |
| 60% Load | 22.5 mV | 19.2 mV | 21.2 mV | 10.1 mV | Pass |
| 70% Load | 26.8 mV | 21.0 mV | 25.0 mV | 12.6 mV | Pass |
| 80% Load | 37.9 mV | 21.9 mV | 31.9 mV | 12.2 mV | Pass |
| 90% Load | 44.5 mV | 22.0 mV | 33.9 mV | 12.7 mV | Pass |
| 100% Load | 55.7 mV | 23.3 mV | 39.4 mV | 13.5 mV | Pass |
| 110% Load | 60.4 mV | 24.9 mV | 34.8 mV | 13.8 mV | Pass |
| Crossload 1 | 18.8 mV | 13.6 mV | 42.2 mV | 15.5 mV | Pass |
| Crossload 2 | 47.4 mV | 20.2 mV | 20.4 mV | 10.1 mV | Pass |

The results above are not used in the certification process

### 230V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 11.43mV | 7.86mV | 10.04mV | 6.45mV | Pass |
| 20% Load | 11.22mV | 9.39mV | 14.80mV | 5.94mV | Pass |
| 30% Load | 10.66mV | 9.57mV | 16.77mV | 9.25mV | Pass |
| 40% Load | 13.29mV | 9.82mV | 20.05mV | 8.01mV | Pass |
| 50% Load | 17.29mV | 14.56mV | 21.22mV | 7.88mV | Pass |
| 60% Load | 21.86mV | 15.07mV | 21.25mV | 9.51mV | Pass |
| 70% Load | 25.43mV | 18.02mV | 25.66mV | 12.11mV | Pass |
| 80% Load | 36.78mV | 19.34mV | 33.25mV | 11.22mV | Pass |

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 90% Load | 43.52mV | 20.92mV | 33.30mV | 11.55mV | Pass |
| 100% Load | 50.43mV | 20.82mV | 35.89mV | 11.50mV | Pass |
| 110% Load | 60.00mV | 20.56mV | 35.50mV | 11.49mV | Pass |
| Crossload1 | 18.74mV | 15.23mV | 41.28mV | 15.40mV | Pass |
| Crossload2 | 44.41mV | 17.26mV | 20.62mV | 7.94mV | Pass |

The results above are not used in the certification process

**SilverStone SFX Platinum 700W**

Top side

Power specifications label

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

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