# Lian Li SX1200P

Serial Number G9PSX1200PB0CC255200001

Lab ID LL12003159

Certification ID 263159

Test Result Report ID: 26PS3159A

Certificate Issue Date: Feb 3, 2026

Scheme: ETA-EMI PSU

115V




230V




Scheme: LAMBDA PSU

115V




230V







Outside Validation Scope



# 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 | Lian Li |
| Model | SX1200P |
| OEM/ODM | Zhong Yuan Power |
| Serial Number | G9PSX1200PB0CC255200001 |
| Product Specifications | |
| Manufacturer-Provided Information | |
| Rated Voltage (Vrms) | 100-240 |
| Rated Current (Arms) | 7.5-14.8 |

| | |
|---|---|
| Rated Frequency (Hz) | 50-60 |
| Rated Power (W) | 1200 |
| Operating Temperature (Continuous Full Load) (°C) | 0 - 50 |
| Type | ATX12V |
| Cable Design | Fully Modular |
| Warranty | 10 years |
| Cybenetics Measurements | |
| Dimensions (W x H x D) | 150 x 85 x 140mm |
| Weight | 1.55 kg (3.42 lb) |
| Cooling | 120mm Fluid Dynamic Bearing Fan (HA1225M12F-Z) |
| Semi-Passive Operation | ✓ (selectable) |
| Cybenetics Testing Information | |
| Lab ID | LL12003159 |
| Date of receipt | Jan 2, 2026 |
| Testing Date | Jan 27, 2026 |
| Report Issued Date | Feb 3, 2026 |
| Engineer Name | Georgios Theodoros Sarimpalas |
| Authorized By the Laboratory Technical Manager | Aristeidis Bitziopoulos |
| Signature |  |

## Cables and Connectors(Non-accredited measurements)

| **Modular Cables** | | | | |
|---|---|---|---|---|
| **Description** | **Cable Count** | **Connector Count (Total)** | **Gauge** | Cable Type |
| ATX connector 20+4 pin (600mm) | 1 | 1 | 16AWG | Tinned Copper |
| 4+4 pin EPS12V (700mm) | 2 | 2 | 16AWG | Tinned Copper |
| 2x 6+2 pin PCIe (550mm) | 2 | 2 | 18AWG | Tinned Copper |
| 6+2 pin PCIe (550mm) | 3 | 3 | 16AWG | Tinned Copper |
| 12+4 pin PCIe (600mm) (600W) | 1 | 1 | 16-24AWG | Tinned Copper |
| SATA (450mm+155mm+155mm+155mm) | 2 | 8 | 18AWG | Tinned Copper |
| 4-pin Molex (450mm+150mm+150mm+150mm) | 1 | 4 | 18AWG | Tinned Copper |

| Modular Cables | | | | |
|---|---|---|---|---|
| AC Power Cord (1410mm) - C13 coupler | 1 | 1 | 16AWG | - |

### Protection Features(Manufacturer)

| | |
|---|---|
| Over Power Protection | ✓ |
| Over Current (+12V) Protection | ✓ |
| Over Temperature Protection | ✓ |
| Short Circuit Protection | ✓ |
| Surge Protection | ✓ |
| Inrush Current Protection | ✓ |
| Fan Failure Protection | ✗ |

### Power Specifications

| Rail | | 3.3V | 5V | 12V | 5VSB | -12V |
|---|---|---|---|---|---|---|
| Max. Power | Amps | 20 | 20 | 100 | 3 | 0.3 |
| | Watts | 100 | | 1200 | 15 | 3.6 |
| Total Max. Power (W) | | 1200 | | | | |

## 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 | ✓ |
| ALPM (Alternative Low Power Mode) compatible | ✓ |
| ATX v3.1 PSU Power Excursion | ✓ |

## Performance Summary

### 115V

| | |
|---|---|
| Accredited | |
| Average Efficiency (>1450 load combinations) | 90.470% |
| Average Noise Output (>1450 Load Combinations) | 31.60dBA |
| Average PF (>1450 Load Combinations) | 0.991 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 74.181% |
| Standby Power Consumption | 0.0400W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 32.13mV |
| 5V Ripple (Full Load) | 34.94mV |
| 3.3V Ripple (Full Load) | 28.70mV |
| 5VSB Ripple (Full Load) | 20.41mV |
| 12V Load Regulation | 0.43% |
| 5V Load Regulation | 0.36% |
| 3.3V Load Regulation | 1.03% |
| 5VSB Load Regulation | 2.12% |
| Inrush Current | 26.580A |

### 230V

| | |
|---|---|
| Accredited | |
| Average Efficiency (>1450 load combinations) | 92.326% |
| Average Noise Output (>1450 Load Combinations) | 31.25dBA |
| Average PF (>1450 Load Combinations) | 0.965 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 73.601% |
| Standby Power Consumption | 0.1059W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 31.51mV |
| 5V Ripple (Full Load) | 34.49mV |
| 3.3V Ripple (Full Load) | 33.81mV |

| | | |
|---|---|---|
| 5VSB Ripple (Full Load) | | 19.85mV |
| 12V Load Regulation | | 0.43% |
| 5V Load Regulation | | 0.28% |
| 3.3V Load Regulation | | 1.03% |
| 5VSB Load Regulation | | 2.12% |
| Inrush Current | | 51.940A |
| 12V Transient Response (200%) | | 11.39V |
| 5V Transient Response (200%) | | 4.932V |
| 3.3V Transient Response (200%) | | 3.226V |
| 5VSB Transient Response (200%) | | 4.993V |
| Hold-Up Time & PWR_OK Signal | | 20.40ms |
| AC Loss to PWR_OK Hold Up Time | | 18.10ms |
| PWR_OK Inactive to DC Loss Delay | | 2.30ms |
| PSU Timings: T1 (20% / 100%) | 100.0ms | 102.0ms |
| PSU Timings: T3 (20% / 100%) | 135.0ms | 136.0ms |
| 12V OCP (28.8°C / 42.3°C) | 119.40A (119.40%), 12.033V | 117.20A (117.20%), 12.030V |
| 5V OCP (28.8°C / 42.3°C) | 24A (120.00%), 5.031V | 23.3A (116.50%), 5.032V |
| 3.3V OCP (28.8°C / 42.3°C) | 23.3A (116.50%), 3.305V | 23.1A (115.50%), 3.308V |
| 5VSB OCP (28.8°C / 42.3°C) | 4.2A (140.00%), 5.031V | 4.2A (140.00%), 5.031V |
| OPP (28.04°C / 41.59°C) | 119.63% | 117.50% |

## Hold-Up Time & PWR_OK Signal

| | |
|---|---|
| Hold-Up Time (ms) | 20.4 |
| AC Loss to PWR_OK Hold Up Time (ms) | 18.1 |
| PWR_OK Inactive to DC Loss Delay (ms) | 2.3 |

## Tables

### 115V

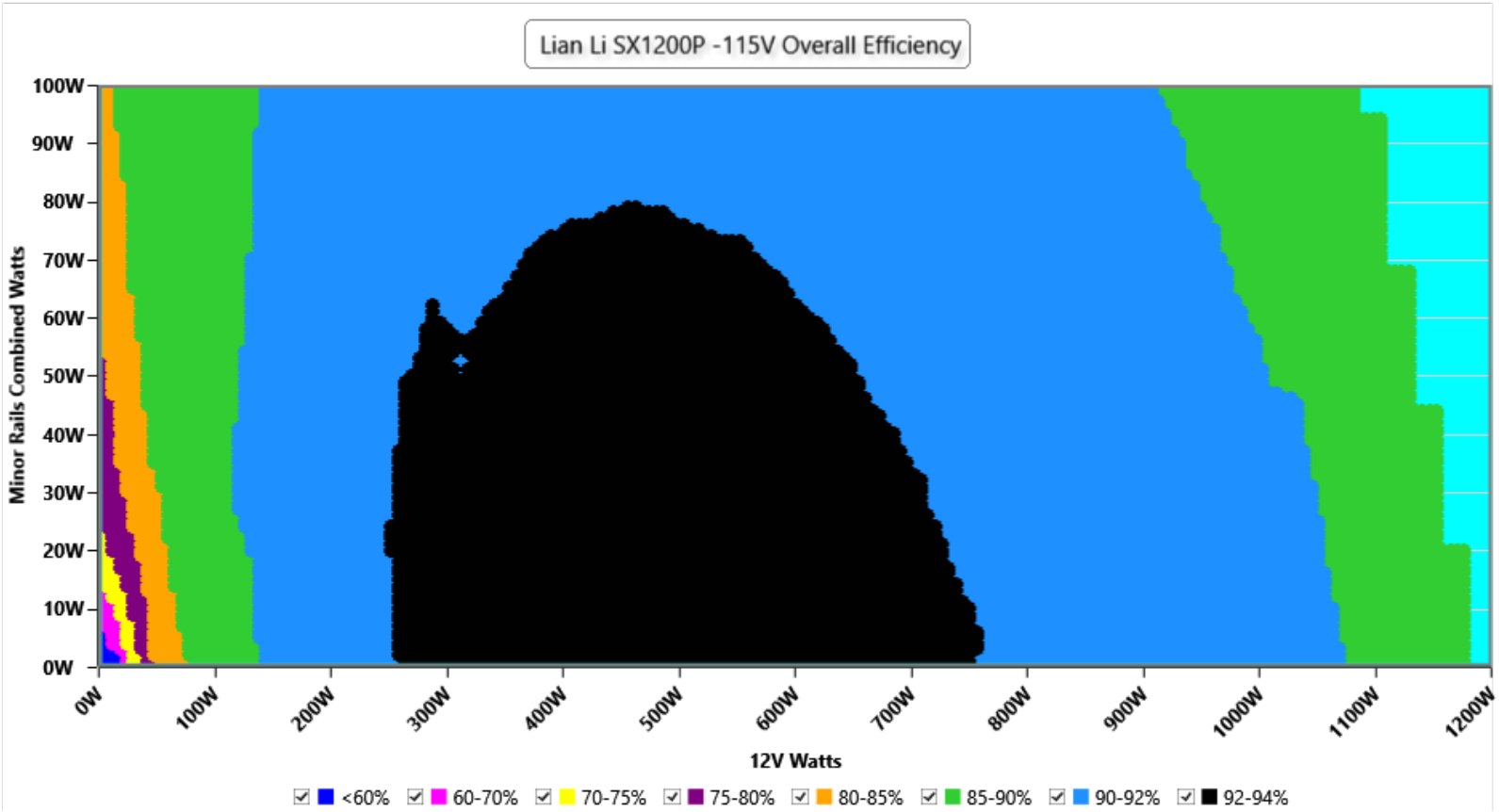
| Detailed Results | | | | | | |
|---|---|---|---|---|---|---|
| | Average | Min | Limit Min | Max | Limit Max | Result |
| Mains Voltage RMS: | 115.06 V | 115.05 V | 113.85 V | 115.09 V | 116.15 V | PASS |
| Mains Frequency: | 60.00 Hz | 60.00 Hz | 59.40 Hz | 60.01 Hz | 60.60 Hz | PASS |
| Mains Voltage CF: | 1.416 | 1.415 | 1.340 | 1.416 | 1.490 | PASS |
| Mains Voltage THD: | 0.13 % | 0.11 % | N/A | 0.15 % | 2.00 % | PASS |
| Real Power: | 0.040 W | -0.008 W | N/A | 0.073 W | N/A | N/A |
| Apparent Power: | 10.370 W | 10.345 W | N/A | 10.392 W | N/A | N/A |
| Power Factor: | 0.005 | N/A | N/A | N/A | N/A | N/A |

### 230V

| Detailed Results | | | | | | |
|---|---|---|---|---|---|---|
| | Average | Min | Limit Min | Max | Limit Max | Result |
| Mains Voltage RMS: | 230.15 V | 230.12 V | 227.70 V | 230.16 V | 232.30 V | PASS |
| Mains Frequency: | 50.00 Hz | 50.00 Hz | 49.50 Hz | 50.00 Hz | 50.50 Hz | PASS |
| Mains Voltage CF: | 1.415 | 1.415 | 1.340 | 1.416 | 1.490 | PASS |
| Mains Voltage THD: | 0.14 % | 0.13 % | N/A | 0.16 % | 2.00 % | PASS |
| Real Power: | 0.106 W | 0.060 W | N/A | 0.205 W | N/A | N/A |
| Apparent Power: | 33.951 W | 33.912 W | N/A | 33.990 W | N/A | N/A |
| Power Factor: | 0.003 | N/A | N/A | N/A | N/A | N/A |

## Efficiency Graph

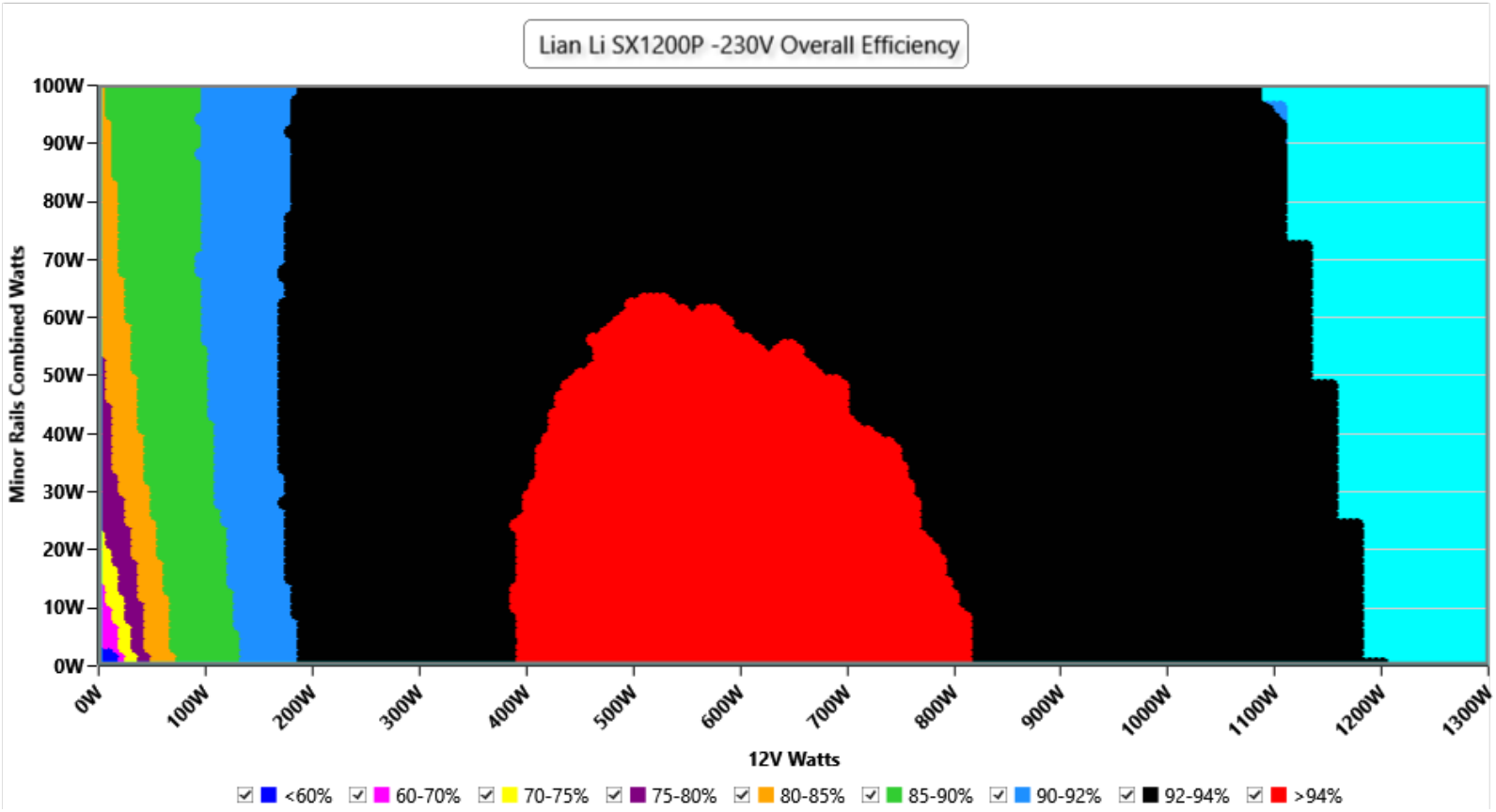
**115V**




**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

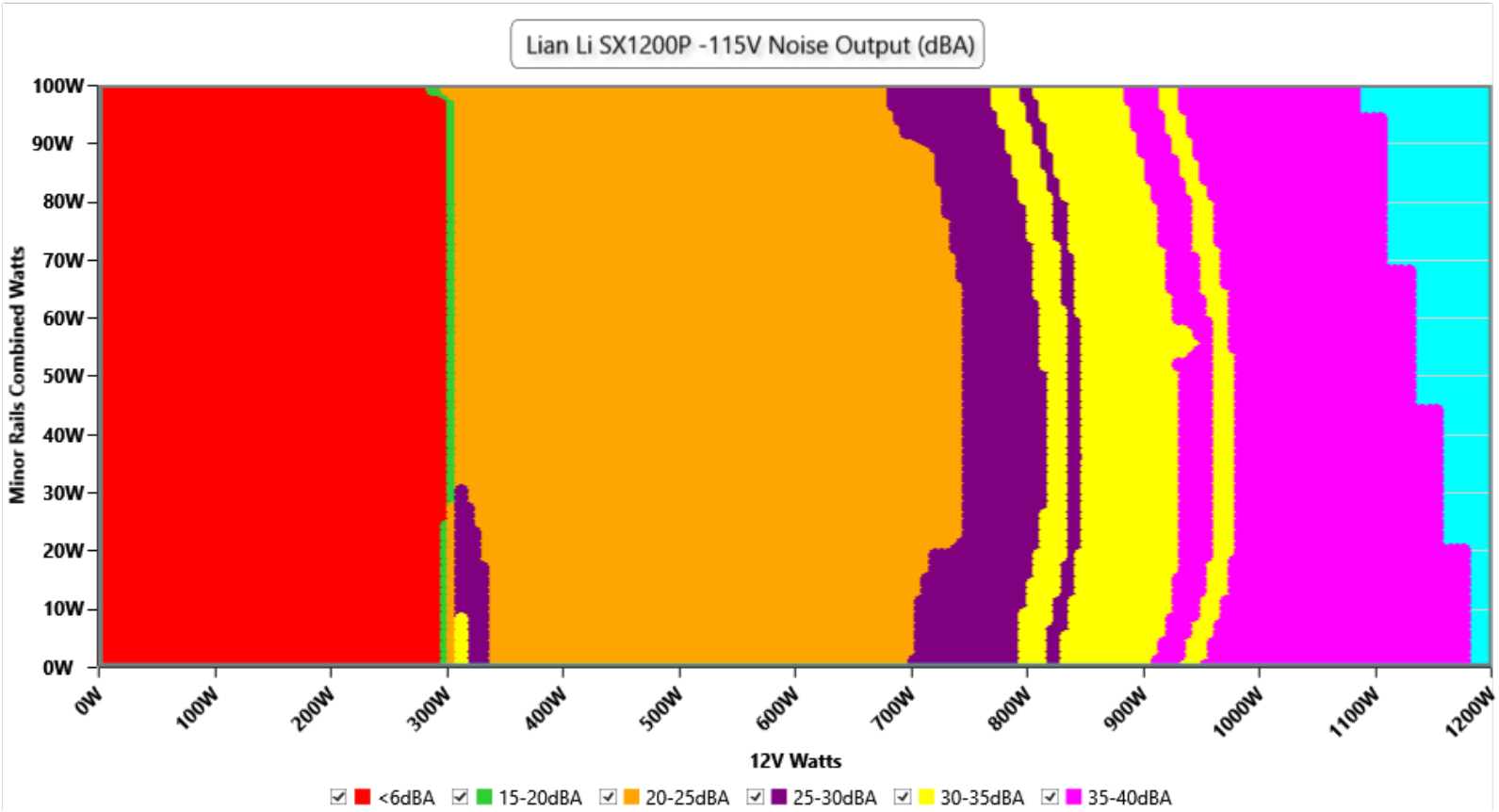



### INFO

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

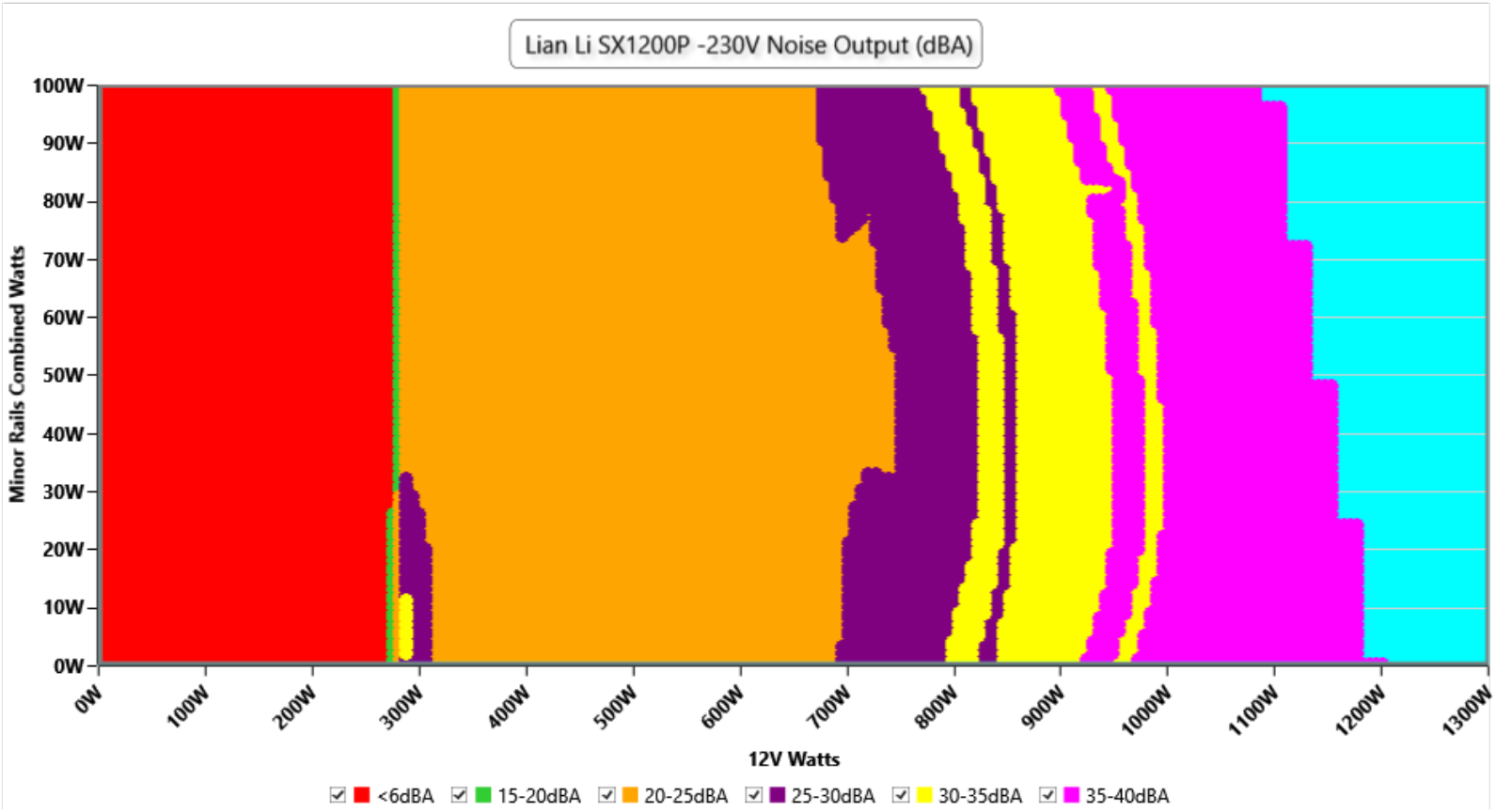
**115V**




**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

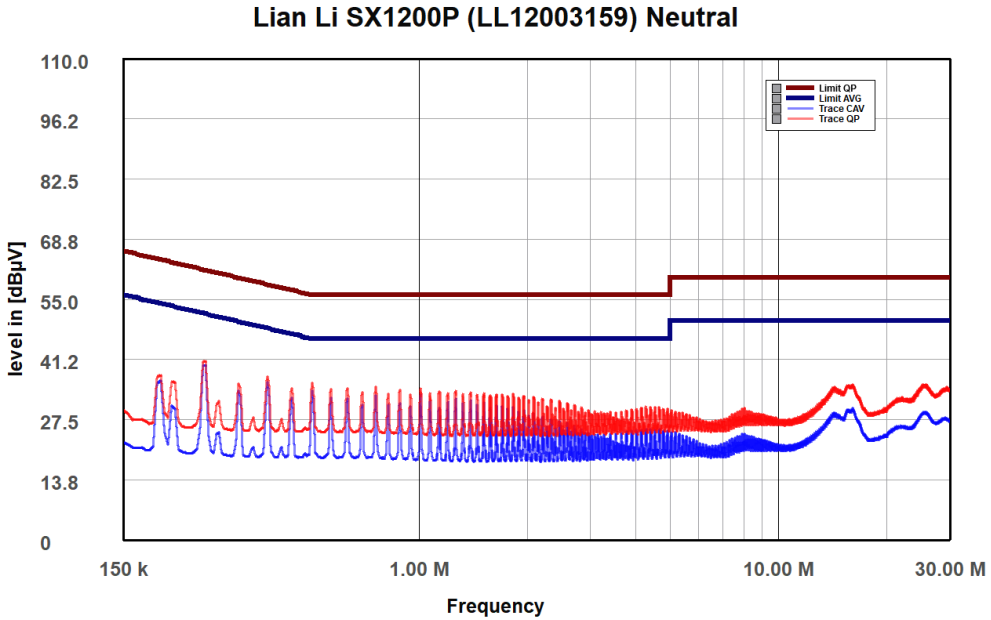
## 230V



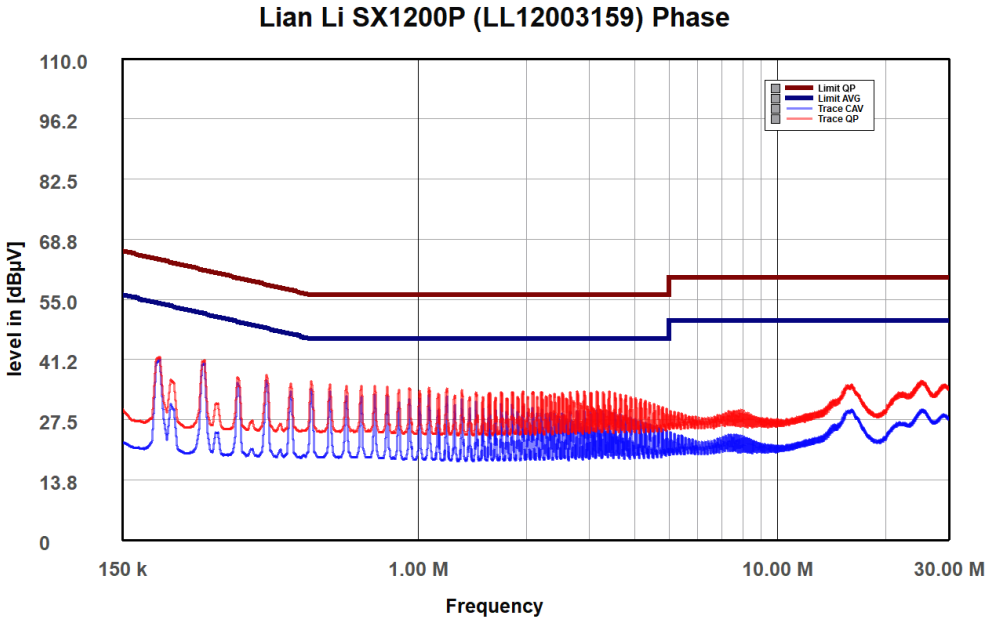

### INFO

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

## Conducted Emissions EN 55032 & CISPR 32



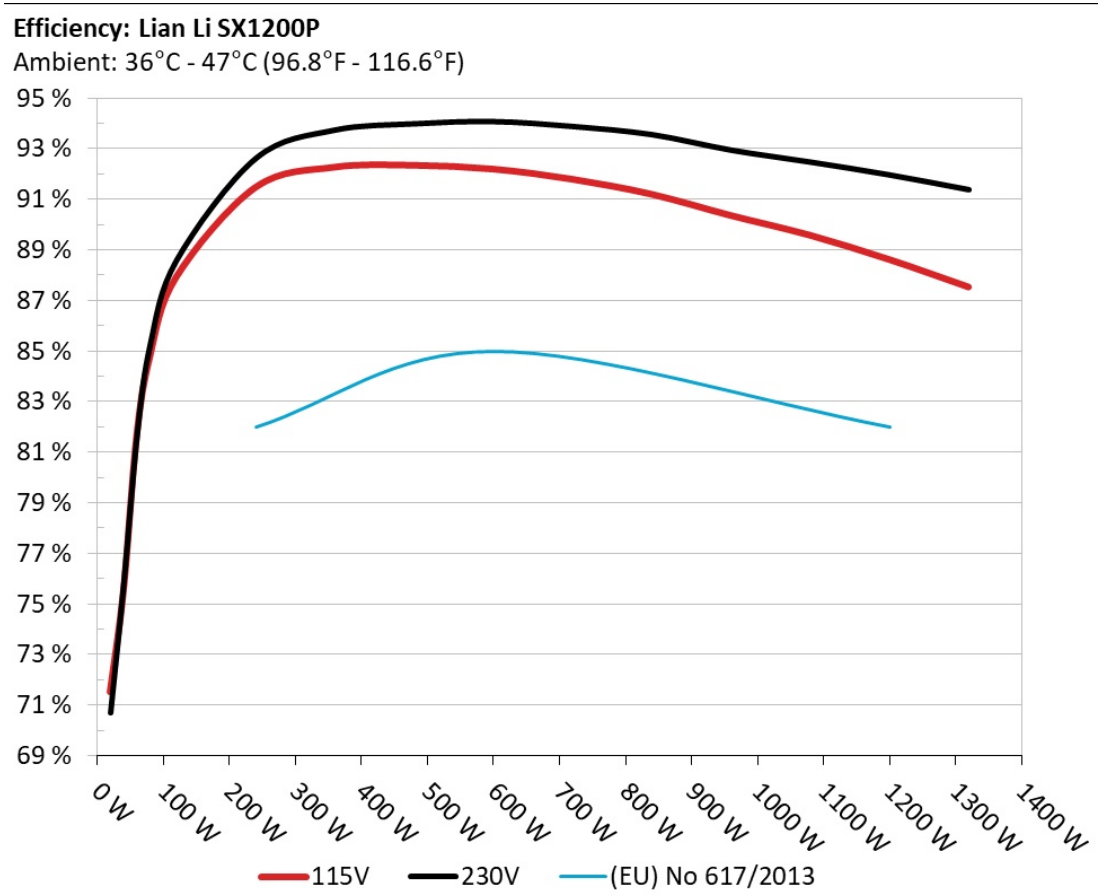

NEUTRAL




PHASE

## Indicative Performance

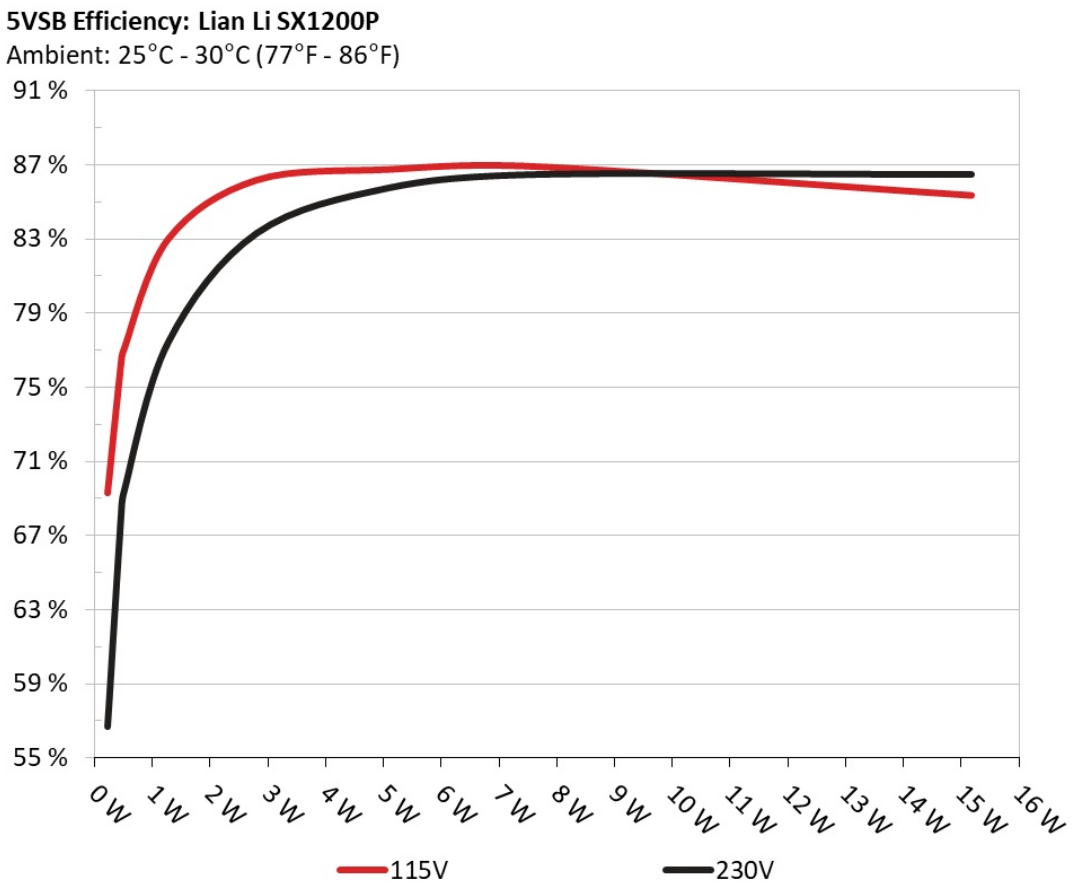
### Efficiency under high ambient temperature




**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** | 0.23W | 69.316% | 0.032 |
| | 5.114V | 0.332W | | 115.13V |
| **2** | **0.09A** | 0.46W | 76.252% | 0.058 |
| | 5.113V | 0.603W | | 115.11V |
| **3** | **0.55A** | 2.807W | 86.17% | 0.255 |
| | 5.104V | 3.258W | | 115.1V |
| **4** | **1A** | 5.096W | 86.745% | 0.359 |
| | 5.095V | 5.875W | | 115.1V |
| **5** | **1.5A** | 7.629W | 86.9% | 0.417 |
| | 5.086V | 8.78W | | 115.1V |
| **6** | **3A** | 15.17W | 85.343% | 0.496 |
| | 5.056V | 17.775W | | 115.09V |

### 230V

| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts |
|---|---|---|---|---|
| **1** | **0.045A** | 0.23W | 56.695% | 0.012 |
| | 5.115V | 0.406W | | 230.27V |
| **2** | **0.09A** | 0.46W | 67.961% | 0.02 |
| | 5.113V | 0.678W | | 230.26V |
| **3** | **0.55A** | 2.807W | 83.29% | 0.096 |
| | 5.104V | 3.37W | | 230.28V |
| **4** | **1A** | 5.096W | 85.741% | 0.159 |
| | 5.095V | 5.944W | | 230.29V |
| **5** | **1.5A** | 7.63W | 86.459% | 0.218 |
| | 5.086V | 8.824W | | 230.3V |
| **6** | **3A** | 15.171W | 86.461% | 0.327 |
| | 5.056V | 17.546W | | 230.3V |

## Protection Features

| | |
|---|---|
| OCP (Normal @ 28.8°C) | 12V: 119.40A (119.40%), 12.033V<br>5V: 24A (120.00%), 5.031V<br>3.3V: 23.3A (116.50%), 3.305V<br>5VSB: 4.2A (140.00%), 5.031V |
| OCP (Hot @ 42.3°C) | 12V: 117.20A (117.20%), 12.030V<br>5V: 23.3A (116.50%), 5.032V<br>3.3V: 23.1A (115.50%), 3.308V<br>5VSB: 4.2A (140.00%), 5.031V |
| OPP (Normal @ 28.0°C) | 1435.51W (119.63%) |
| OPP (Hot @ 41.6°C) | 1410.03W (117.50%) |
| OTP | ✓ (155°C @ 12V Heatsink) |
| SCP | 12V to Earth: ✓<br>5V to Earth: ✓<br>3.3V to Earth: ✓<br>5VSB to Earth: ✓<br>-12V to Earth: ✓ |
| PWR_OK | Proper Operation |
| UVP (Full Load @ 90V) | ✓ |
| UVP (No Damage @ 80V) | ✓ |
| Conducted Emissions EN55032 & CISPR 32 | ✓ |
| NLO | ✓ |
| Fan Failure Protection | ✗ |
| SIP | Surge: MOV<br>Inrush: NTC & Bypass Relay |

## 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **10%** | **8.157A** | **1.99A** | **1.974A** | **0.982A** | 119.986 | 87.926% | 0 | <6.0 | 49.84°C | 0.98 |
| | 12.062V | 5.026V | 3.343V | 5.092V | 136.463 | | | | 40.42°C | 115.07V |
| **20%** | **17.338A** | **2.986A** | **2.964A** | **1.18A** | 239.945 | 91.47% | 0 | <6.0 | 50.94°C | 0.991 |
| | 12.057V | 5.025V | 3.34V | 5.083V | 262.32 | | | | 40.75°C | 115.03V |
| **30%** | **26.808A** | **3.484A** | **3.462A** | **1.379A** | 359.135 | 92.267% | 839 | 22.9 | 41.41°C | 0.993 |
| | 12.051V | 5.024V | 3.337V | 5.075V | 389.23 | | | | 61.08°C | 114.99V |
| **40%** | **36.383A** | **3.984A** | **3.96A** | **1.579A** | 479.504 | 92.341% | 849 | 22.9 | 41.74°C | 0.995 |
| | 12.047V | 5.021V | 3.333V | 5.066V | 519.277 | | | | 56.63°C | 114.94V |
| **50%** | **45.569A** | **4.983A** | **4.956A** | **1.78A** | 599.265 | 92.192% | 1003 | 25.6 | 42.17°C | 0.995 |
| | 12.042V | 5.018V | 3.329V | 5.056V | 650.02 | | | | 57.54°C | 114.9V |
| **60%** | **54.829A** | **5.982A** | **5.954A** | **1.981A** | 719.787 | 91.791% | 1203 | 30.9 | 42.9°C | 0.995 |
| | 12.037V | 5.016V | 3.326V | 5.047V | 784.155 | | | | 58.22°C | 114.85V |
| **70%** | **64.028A** | **6.982A** | **6.954A** | **2.184A** | 839.514 | 91.201% | 1384 | 34.9 | 43.15°C | 0.995 |
| | 12.032V | 5.014V | 3.322V | 5.038V | 920.511 | | | | 58.94°C | 114.8V |
| **80%** | **73.304A** | **7.98A** | **7.954A** | **2.286A** | 959.5 | 90.363% | 1616 | 38.2 | 43.53°C | 0.996 |
| | 12.027V | 5.012V | 3.319V | 5.03V | 1061.838 | | | | 58.4°C | 114.75V |
| **90%** | **82.914A** | **8.483A** | **8.445A** | **2.389A** | 1079.3 | 89.584% | 1826 | 42.6 | 44.84°C | 0.996 |
| | 12.022V | 5.01V | 3.315V | 5.023V | 1204.791 | | | | 59.67°C | 114.7V |
| **100%** | **92.344A** | **8.984A** | **8.966A** | **2.997A** | 1199.33 | 88.627% | 1929 | 42.8 | 45.72°C | 0.996 |
| | 12.016V | 5.009V | 3.312V | 5.005V | 1353.236 | | | | 62.73°C | 114.65V |
| **110%** | **101.716A** | **9.985A** | **10.063A** | **3.001A** | 1319.927 | 87.536% | 1931 | 42.8 | 46.04°C | 0.996 |
| | 12.010V | 5.007V | 3.309V | 4.999V | 1507.861 | | | | 66.45°C | 114.6V |
| **CL1** | **0.116A** | **11.987A** | **11.893A** | **0A** | 101.294 | 82.767% | 811 | 24.1 | 40.85°C | 0.975 |
| | 12.060V | 5.022V | 3.338V | 5.106V | 122.388 | | | | 48.28°C | 115.07V |

| Test | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|---|
| **CL2** | **0.115A** | **19.912A** | **0A** | **0A** | 101.379 | 82.053% | 817 | 21.8 | 41.17°C | 0.976 |
| | 12.063V | 5.022V | 3.346V | 5.111V | 123.555 | | | | 49.43°C | 115.07V |
| **CL3** | **0.115A** | **0A** | **19.793A** | **0A** | 67.379 | 76.108% | 815 | 25 | 41.1°C | 0.966 |
| | 12.060V | 5.029V | 3.334V | 5.106V | 88.532 | | | | 48.92°C | 115.08V |
| **CL4** | **99.827A** | **0A** | **0A** | **0A** | 1199.896 | 89.15% | 1934 | 42.8 | 45.57°C | 0.996 |
| | 12.020V | 5.015V | 3.319V | 5.072V | 1345.938 | | | | 63.62°C | 114.66V |

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **10%** | **8.158A** | **1.99A** | **1.974A** | **0.982A** | 119.993 | 88.608% | 0 | <6.0 | 50.79°C | 0.881 |
| | 12.061V | 5.027V | 3.343V | 5.092V | 135.424 | | | | 40.19°C | 230.3V |
| **20%** | **17.340A** | **2.985A** | **2.964A** | **1.18A** | 239.955 | 92.635% | 0 | <6.0 | 52.05°C | 0.953 |
| | 12.056V | 5.026V | 3.34V | 5.083V | 259.033 | | | | 40.51°C | 230.28V |
| **30%** | **26.812A** | **3.483A** | **3.461A** | **1.379A** | 359.169 | 93.75% | 985 | 26.4 | 41.36°C | 0.977 |
| | 12.051V | 5.025V | 3.337V | 5.075V | 383.115 | | | | 56.23°C | 230.26V |
| **40%** | **36.387A** | **3.983A** | **3.96A** | **1.579A** | 479.54 | 94.001% | 839 | 22.9 | 41.9°C | 0.983 |
| | 12.047V | 5.022V | 3.333V | 5.066V | 510.147 | | | | 52.03°C | 230.24V |
| **50%** | **45.571A** | **4.981A** | **4.956A** | **1.78A** | 599.289 | 94.089% | 984 | 26.4 | 42.22°C | 0.988 |
| | 12.042V | 5.02V | 3.33V | 5.056V | 636.934 | | | | 53.26°C | 230.22V |
| **60%** | **54.831A** | **5.979A** | **5.953A** | **1.982A** | 719.803 | 93.896% | 1165 | 29.3 | 42.91°C | 0.988 |
| | 12.037V | 5.019V | 3.326V | 5.047V | 766.605 | | | | 52.98°C | 230.19V |
| **70%** | **64.029A** | **6.978A** | **6.953A** | **2.184A** | 839.527 | 93.574% | 1349 | 33.7 | 43.17°C | 0.988 |
| | 12.032V | 5.017V | 3.323V | 5.038V | 897.18 | | | | 53.69°C | 230.17V |
| **80%** | **73.305A** | **7.975A** | **7.954A** | **2.286A** | 959.508 | 92.961% | 1612 | 38.2 | 43.71°C | 0.987 |
| | 12.027V | 5.015V | 3.319V | 5.03V | 1032.155 | | | | 53.25°C | 230.15V |
| **90%** | **82.915A** | **8.476A** | **8.444A** | **2.389A** | 1079.31 | 92.49% | 1804 | 41.4 | 44.04°C | 0.987 |
| | 12.022V | 5.014V | 3.316V | 5.023V | 1166.953 | | | | 53.48°C | 230.12V |

| Test | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|---|
| **100%** | **92.343A** | **8.976A** | **8.966A** | **2.997A** | 1199.333 | 91.982% | 1929 | 42.8 | 45.9°C | 0.986 |
| | 12.016V | 5.013V | 3.312V | 5.005V | 1303.874 | | | | 56.67°C | 230.1V |
| **110%** | **101.715A** | **9.979A** | **10.063A** | **3.001A** | 1319.93 | 91.395% | 1935 | 42.8 | 46.61°C | 0.986 |
| | 12.010V | 5.01V | 3.309V | 4.999V | 1444.203 | | | | 58.42°C | 230.08V |
| **CL1** | **0.116A** | **11.978A** | **11.893A** | **0A** | 101.301 | 82.849% | 844 | 22.9 | 40.03°C | 0.865 |
| | 12.059V | 5.025V | 3.338V | 5.107V | 122.276 | | | | 49.64°C | 230.29V |
| **CL2** | **0.116A** | **19.892A** | **0A** | **0A** | 101.386 | 82.472% | 825 | 21.8 | 40.74°C | 0.866 |
| | 12.062V | 5.027V | 3.346V | 5.111V | 122.933 | | | | 48.81°C | 230.29V |
| **CL3** | **0.115A** | **0A** | **19.794A** | **0A** | 67.382 | 76.529% | 809 | 24.1 | 40.66°C | 0.794 |
| | 12.059V | 5.029V | 3.334V | 5.106V | 88.047 | | | | 46.25°C | 230.3V |
| **CL4** | **99.821A** | **0A** | **0A** | **0A** | 1199.875 | 92.43% | 1936 | 42.8 | 45.28°C | 0.986 |
| | 12.020V | 5.015V | 3.319V | 5.071V | 1298.143 | | | | 54.95°C | 230.11V |

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]) | Temps (In/Out) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|---|
| **20W** | **1.230A** | **0.497A** | **0.493A** | **0.196A** | 19.998 | 71.547% | 0 | <6.0 | 43.26°C | 0.82 |
| | 12.068V | 5.027V | 3.346V | 5.111V | 27.954 | | | | 36.42°C | 115.11V |
| **40W** | **2.709A** | **0.696A** | **0.691A** | **0.294A** | 39.998 | 75.514% | 0 | <6.0 | 45.44°C | 0.93 |
| | 12.066V | 5.027V | 3.345V | 5.109V | 52.966 | | | | 37.88°C | 115.1V |
| **60W** | **4.188A** | **0.895A** | **0.888A** | **0.392A** | 59.998 | 81.597% | 0 | <6.0 | 47.41°C | 0.953 |
| | 12.065V | 5.027V | 3.345V | 5.106V | 73.528 | | | | 38.62°C | 115.09V |
| **80W** | **5.662A** | **1.094A** | **1.085A** | **0.49A** | 79.939 | 84.769% | 0 | <6.0 | 47.87°C | 0.97 |
| | 12.064V | 5.027V | 3.344V | 5.104V | 94.302 | | | | 39.36°C | 115.09V |

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 |
|---|---|---|---|---|---|---|---|---|---|---|
| **20W** | **1.230A** | **0.497A** | **0.493A** | **0.196A** | 20 | 70.714% | 0 | <6.0 | 44.33°C | 0.457 |
| | 12.067V | 5.026V | 3.346V | 5.111V | 28.282 | | | | 36.15°C | 230.3V |
| **40W** | **2.710A** | **0.696A** | **0.691A** | **0.294A** | 39.999 | 75.839% | 0 | <6.0 | 43.75°C | 0.651 |
| | 12.066V | 5.026V | 3.345V | 5.109V | 52.742 | | | | 37.11°C | 230.3V |
| **60W** | **4.188A** | **0.895A** | **0.888A** | **0.392A** | 59.999 | 81.661% | 0 | <6.0 | 48.31°C | 0.742 |
| | 12.065V | 5.026V | 3.345V | 5.106V | 73.475 | | | | 38.98°C | 230.3V |
| **80W** | **5.663A** | **1.094A** | **1.085A** | **0.49A** | 79.943 | 85.262% | 0 | <6.0 | 46.97°C | 0.81 |
| | 12.063V | 5.027V | 3.344V | 5.104V | 93.762 | | | | 39.01°C | 230.3V |

The results above are not used in the certification process

## Ripple Measurements

### 115V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 18.06mV | 23.15mV | 20.36mV | 16.42mV | Pass |
| 20% Load | 20.31mV | 22.53mV | 19.59mV | 17.08mV | Pass |
| 30% Load | 20.31mV | 21.77mV | 19.54mV | 17.39mV | Pass |
| 40% Load | 20.51mV | 20.33mV | 18.11mV | 18.36mV | Pass |
| 50% Load | 23.99mV | 20.03mV | 19.03mV | 16.73mV | Pass |
| 60% Load | 23.64mV | 22.79mV | 19.44mV | 18.16mV | Pass |
| 70% Load | 24.25mV | 33.82mV | 27.73mV | 20.67mV | Pass |
| 80% Load | 27.27mV | 45.57mV | 33.66mV | 20.20mV | Pass |
| 90% Load | 28.80mV | 38.37mV | 36.01mV | 19.13mV | Pass |
| 100% Load | 32.13mV | 34.94mV | 28.70mV | 20.41mV | Pass |
| 110% Load | 35.61mV | 31.01mV | 27.21mV | 20.77mV | Pass |
| Crossload1 | 24.56mV | 37.14mV | 24.96mV | 21.53mV | Pass |
| Crossload2 | 22.67mV | 30.40mV | 21.38mV | 20.92mV | Pass |

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| Crossload3 | 23.07mV | 22.99mV | 20.82mV | 20.72mV | Pass |
| Crossload4 | 29.42mV | 29.12mV | 26.24mV | 20.61mV | Pass |

The results above are not used in the certification process

**230V**

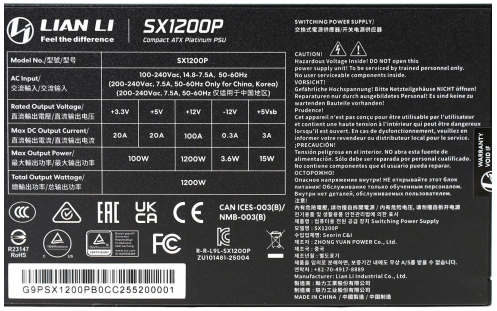
| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 18.88mV | 22.79mV | 18.82mV | 16.88mV | Pass |
| 20% Load | 19.29mV | 24.57mV | 21.23mV | 17.03mV | Pass |
| 30% Load | 21.95mV | 22.84mV | 20.77mV | 19.69mV | Pass |
| 40% Load | 20.92mV | 22.38mV | 19.34mV | 18.46mV | Pass |
| 50% Load | 22.56mV | 21.87mV | 19.64mV | 18.31mV | Pass |
| 60% Load | 24.40mV | 21.76mV | 21.23mV | 18.16mV | Pass |
| 70% Load | 23.64mV | 40.06mV | 29.62mV | 18.88mV | Pass |
| 80% Load | 27.06mV | 46.24mV | 35.14mV | 18.82mV | Pass |
| 90% Load | 29.93mV | 43.22mV | 36.37mV | 20.31mV | Pass |
| 100% Load | 31.51mV | 34.49mV | 33.81mV | 19.85mV | Pass |
| 110% Load | 33.46mV | 28.20mV | 27.11mV | 20.77mV | Pass |
| Crossload1 | 23.64mV | 39.75mV | 25.32mV | 20.36mV | Pass |
| Crossload2 | 23.58mV | 32.34mV | 20.92mV | 19.85mV | Pass |
| Crossload3 | 24.66mV | 22.17mV | 20.77mV | 21.23mV | Pass |
| Crossload4 | 31.16mV | 32.34mV | 27.73mV | 21.79mV | Pass |

The results above are not used in the certification process

## Lian Li SX1200P



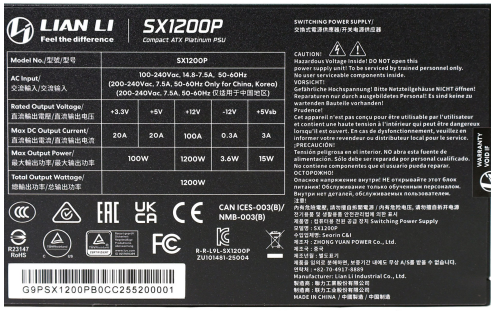

Top side




Power specifications label




Fan




PSU Internals