Make It Yours.

# Cooler Master Elite Gold 1200

Serial Number CM1421200F05011400100025

Lab ID CM12003295

Certification ID 263295

Test Result Report ID: 26PS3295A

Certificate Issue Date: Jun 2, 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 | Cooler Master |
| Model | Elite Gold 1200 |
| OEM/ODM | XHY |
| Serial Number | CM1421200F05011400100025 |
| Product Specifications | |
| Manufacturer-Provided Information | |
| Rated Voltage (Vrms) | 100-240 |
| Rated Current (Arms) | 8-15 |

| | |
|---|---|
| Rated Frequency (Hz) | 50-60 |
| Rated Power (W) | 1200 |
| Operating Temperature (Continuous Full Load) (°C) | 0 - 40 |
| Type | ATX12V |
| Cable Design | Fully Modular |
| Warranty | 10 years |
| Cybenetics Measurements | |
| Dimensions (W x H x D) | 150 x 85 x 160mm |
| Weight | 1.75 kg (3.86 lb) |
| Cooling | 140mm Fluid Dynamic Bearing Fan (EFF-14E12D) |
| Semi-Passive Operation | ✓ |
| Cybenetics Testing Information | |
| Lab ID | CM12003295 |
| Date of receipt | May 6, 2026 |
| Testing Date | May 25, 2026 |
| Report Issued Date | Jun 2, 2026 |
| Engineer Name | Ioannis Kalyviotis |
| 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 24 pin (650mm) | 1 | 1 | 16-20AWG | Tinned Copper |
| 4+4 pin EPS12V (600mm) | 1 | 1 | 18AWG | Tinned Copper |
| 8 pin EPS12V (600mm) | 1 | 1 | 18AWG | Tinned Copper |
| 6+2 pin PCIe (650mm) | 3 | 3 | 16AWG | Tinned Copper |
| 12+4 pin PCIe (700mm) (600W) | 1 | 1 | 16-24AWG | Tinned Copper |
| SATA (450mm+120mm+120mm+120mm) | 2 | 8 | 18AWG | Tinned Copper |
| 4-pin Molex(450mm+120mm+120mm+120mm) | 1 | 4 | 18AWG | Tinned Copper |

| Modular Cables | | | | |
|---|---|---|---|---|
| AC Power Cord (1370mm) - C13 coupler | 1 | 1 | 18AWG | - |

### 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 | 120 | | 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) | 88.835% |
| Average Noise Output (>1450 Load Combinations) | 31.17dBA |
| Average PF (>1450 Load Combinations) | 0.972 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 71.718% |
| Standby Power Consumption | 0.0379W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 45.18mV |
| 5V Ripple (Full Load) | 32.34mV |
| 3.3V Ripple (Full Load) | 27.88mV |
| 5VSB Ripple (Full Load) | 29.67mV |
| 12V Load Regulation | 0.19% |
| 5V Load Regulation | 0.56% |
| 3.3V Load Regulation | 0.55% |
| 5VSB Load Regulation | 3.01% |
| Inrush Current | 35.410A |

### 230V

| | |
|---|---|
| Accredited | |
| Average Efficiency (>1450 load combinations) | 90.588% |
| Average Noise Output (>1450 Load Combinations) | 31.20dBA |
| Average PF (>1450 Load Combinations) | 0.944 |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 73.810% |
| Standby Power Consumption | 0.0948W |
| Non-Accredited | |
| 12V Ripple (Full Load) | 45.02mV |
| 5V Ripple (Full Load) | 32.24mV |
| 3.3V Ripple (Full Load) | 29.52mV |

| | | |
|---|---|---|
| 5VSB Ripple (Full Load) | | 32.79mV |
| 12V Load Regulation | | 0.21% |
| 5V Load Regulation | | 0.60% |
| 3.3V Load Regulation | | 0.63% |
| 5VSB Load Regulation | | 3.07% |
| Inrush Current | | 79.830A |
| 12V Transient Response (200%) | | 11.21V |
| 5V Transient Response (200%) | | 4.904V |
| 3.3V Transient Response (200%) | | 3.157V |
| 5VSB Transient Response (200%) | | 4.913V |
| Hold-Up Time & PWR_OK Signal | | 22.30ms |
| AC Loss to PWR_OK Hold Up Time | | 19.10ms |
| PWR_OK Inactive to DC Loss Delay | | 3.20ms |
| PSU Timings: T1 (20% / 100%) | 66.0ms | 66.0ms |
| PSU Timings: T3 (20% / 100%) | 109.0ms | 109.0ms |
| 12V OCP (30.1°C / 43.8°C) | 110.20A (110.20%), 12.147V | 107.00A (107.00%), 12.146V |
| 5V OCP (30.1°C / 43.8°C) | 24.9A (124.50%), 4.986V | 24.9A (124.50%), 4.978V |
| 3.3V OCP (30.1°C / 43.8°C) | 25.4A (127.00%), 3.287V | 25.2A (126.00%), 3.289V |
| 5VSB OCP (30.1°C / 43.8°C) | 5.5A (183.33%), 4.967V | 5.5A (183.33%), 4.96V |
| OPP (29.30°C / 43.43°C) | 106.24% | 108.25% |

## Hold-Up Time & PWR_OK Signal

| | |
|---|---|
| Hold-Up Time (ms) | 22.3 |
| AC Loss to PWR_OK Hold Up Time (ms) | 19.1 |
| PWR_OK Inactive to DC Loss Delay (ms) | 3.2 |

# Stromverbrauch im Ruhezustand

## Tables

### 115V

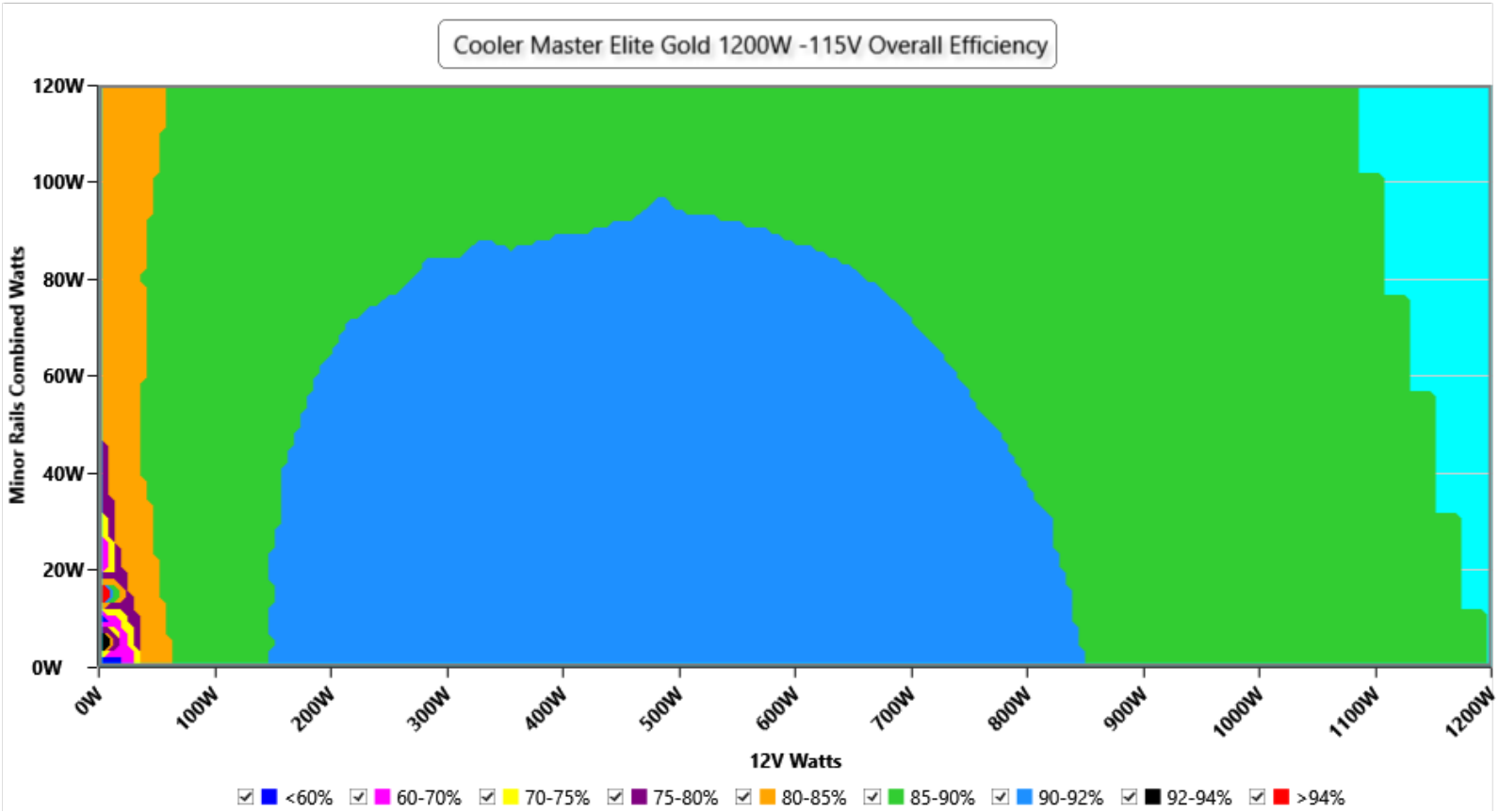
| Detailed Results | | | | | | |
|---|---|---|---|---|---|---|
| | Average | Min | Limit Min | Max | Limit Max | Result |
| Mains Voltage RMS: | 115.00 V | 114.99 V | 113.85 V | 115.04 V | 116.15 V | PASS |
| Mains Frequency: | 60.00 Hz | 59.94 Hz | 59.40 Hz | 60.01 Hz | 60.60 Hz | PASS |
| Mains Voltage CF: | 1.416 | 1.415 | 1.340 | 1.417 | 1.490 | PASS |
| Mains Voltage THD: | 0.13 % | 0.11 % | N/A | 0.15 % | 2.00 % | PASS |
| Real Power: | 0.038 W | -0.004 W | N/A | 0.073 W | N/A | N/A |
| Apparent Power: | 10.972 W | 10.940 W | N/A | 10.997 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: | 230.00 V | 229.99 V | 227.70 V | 230.03 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: | 0.15 % | 0.13 % | N/A | 0.16 % | 2.00 % | PASS |
| Real Power: | 0.095 W | 0.052 W | N/A | 0.148 W | N/A | N/A |
| Apparent Power: | 36.117 W | 36.080 W | N/A | 36.153 W | N/A | N/A |
| Power Factor: | 0.002 | N/A | N/A | N/A | N/A | N/A |

## Efficiency Graph

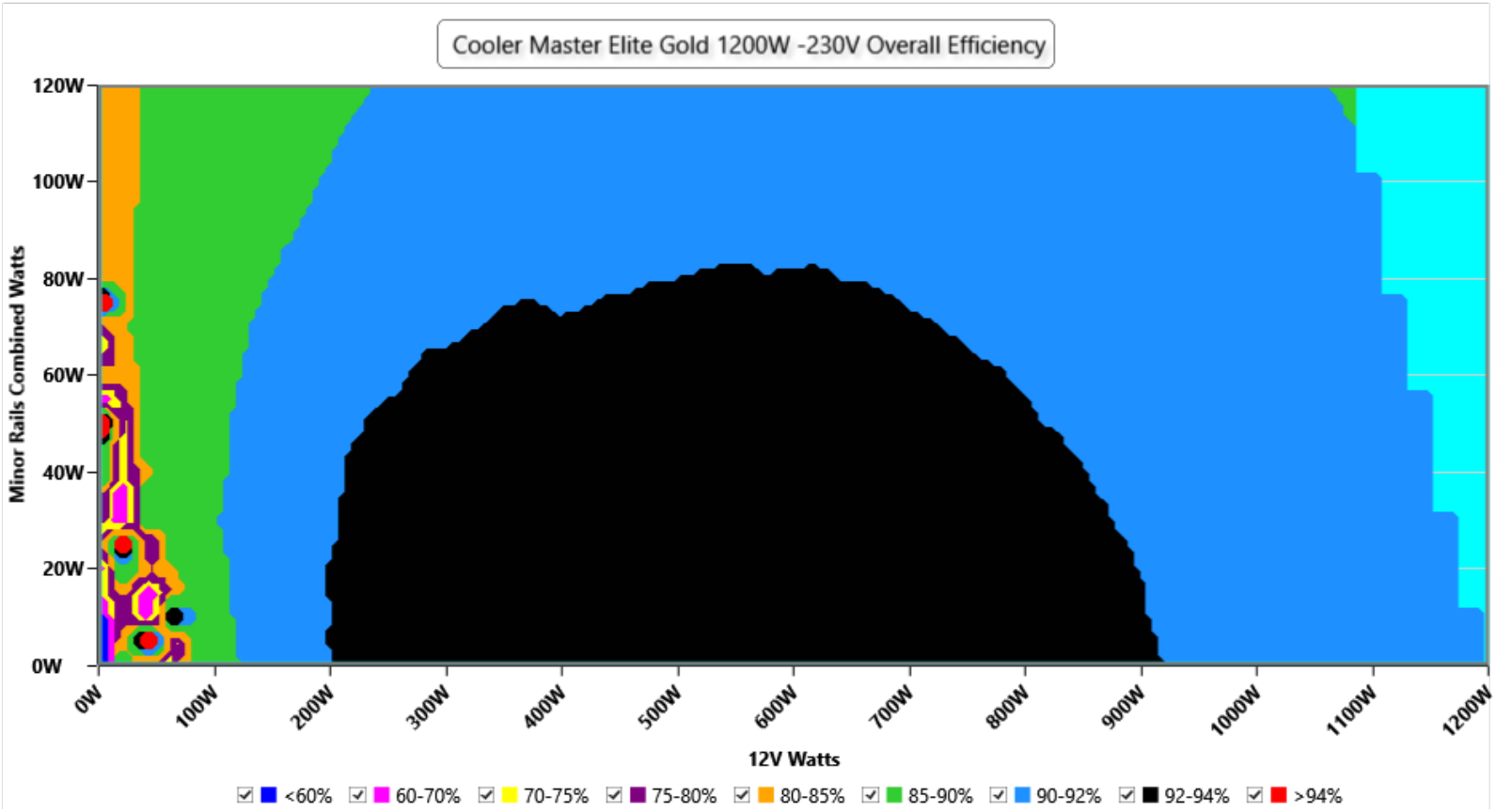
**115V**




**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

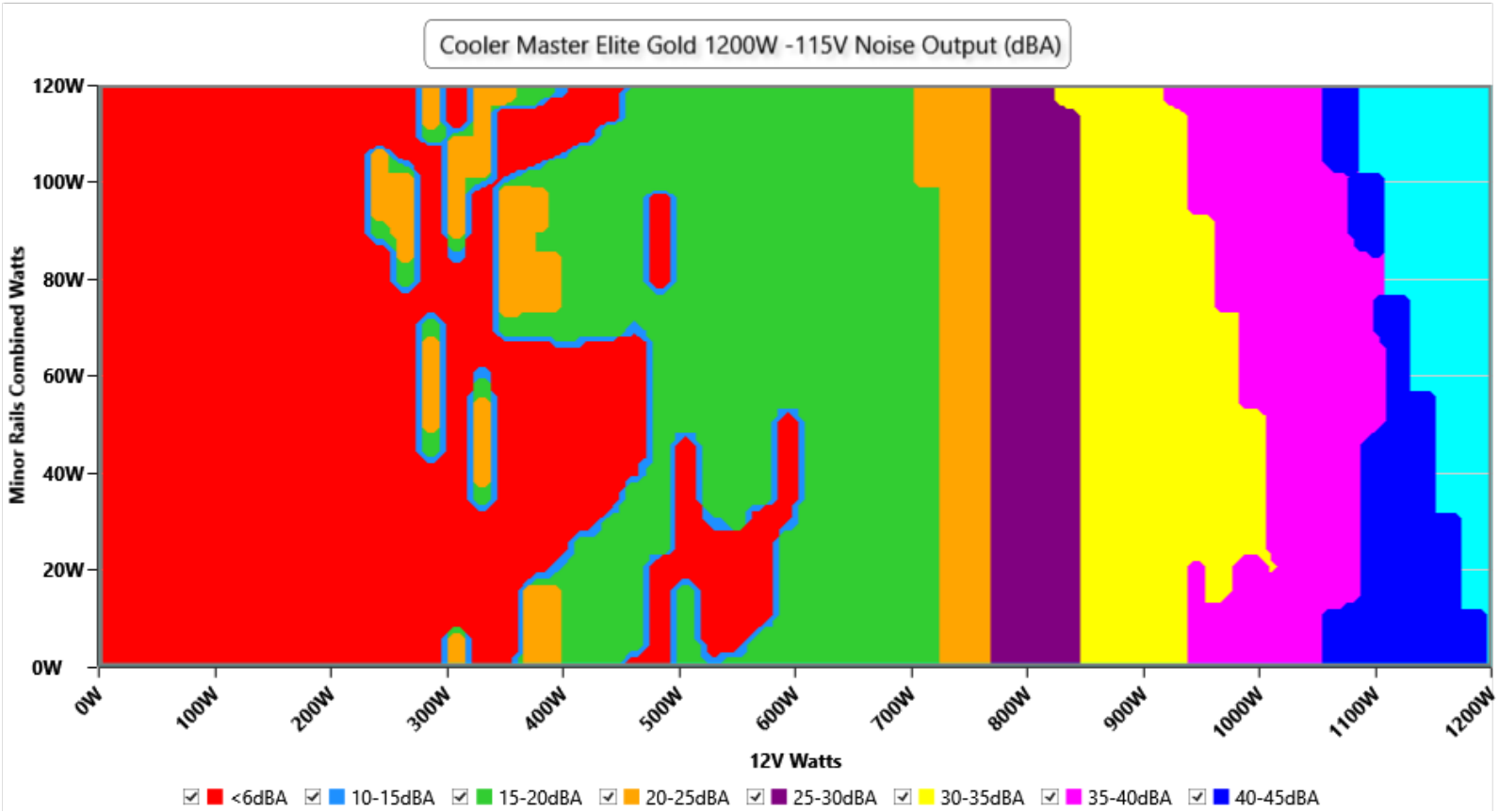



### INFO

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

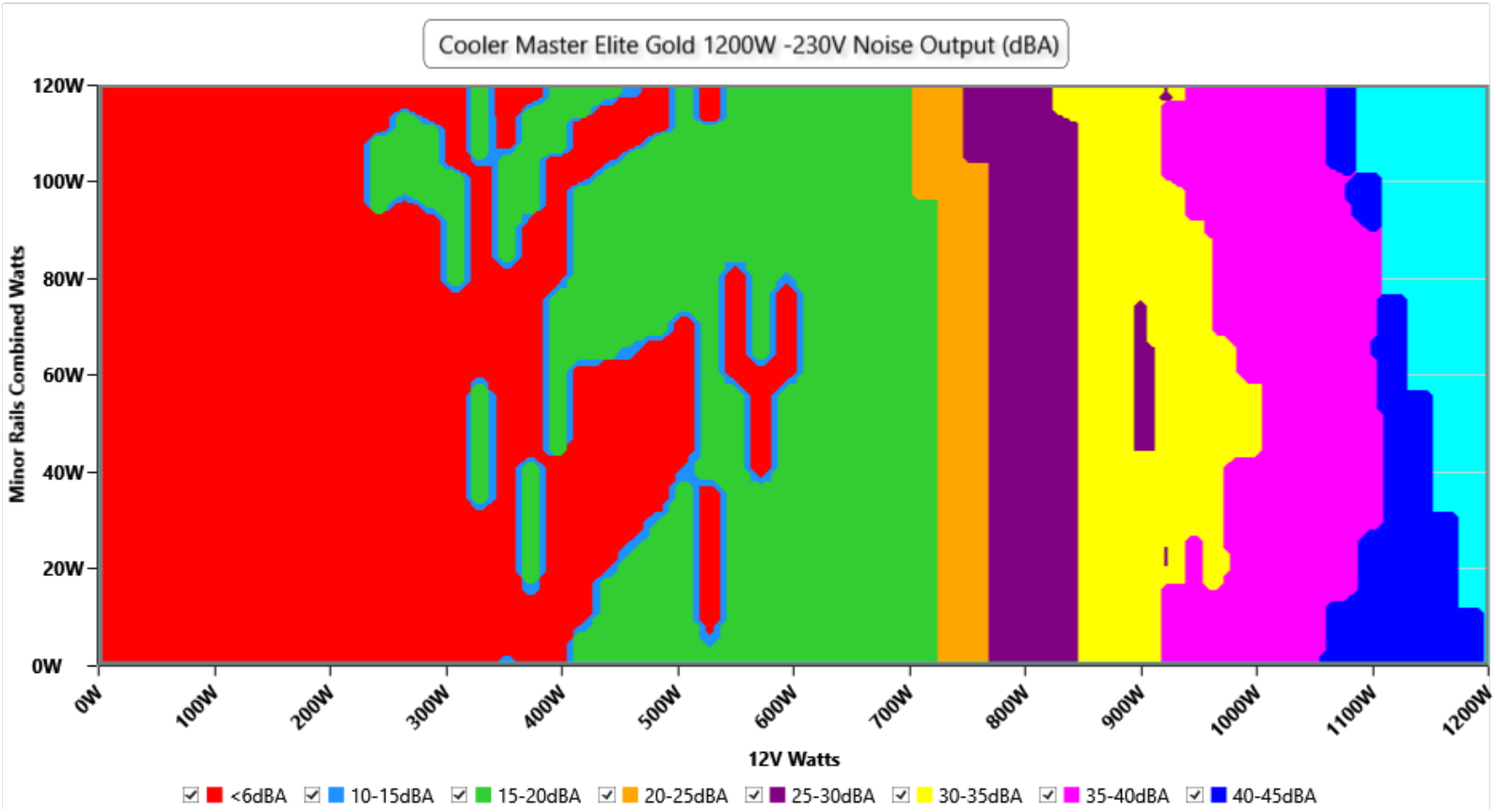
**115V**




**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

## Noise under high ambient temperature (indicative)

### 115V

| Load | Normal ambient<br>fan · noise · intake | High ambient<br>fan · noise · intake | Noise change |
|---|---|---|---|
| 10% | 0 RPM · <6.0 dB(A) · 33.0 °C | 0 RPM · <6.0 dB(A) · 41.9 °C | fan off in both |
| 20% | 0 RPM · <6.0 dB(A) · 33.9 °C | 0 RPM · <6.0 dB(A) · 43.3 °C | fan off in both |
| 50% | 0 RPM · <6.0 dB(A) · 30.3 °C | 690 RPM · 20.6 dB(A) · 42.1 °C | fan starts (<6.0 → 20.6) |
| 100% | 1361 RPM · 39.8 dB(A) · 30.1 °C | 1972 RPM · 48.7 dB(A) · 45.1 °C | **+8.9 dB(A)** |

### 230V

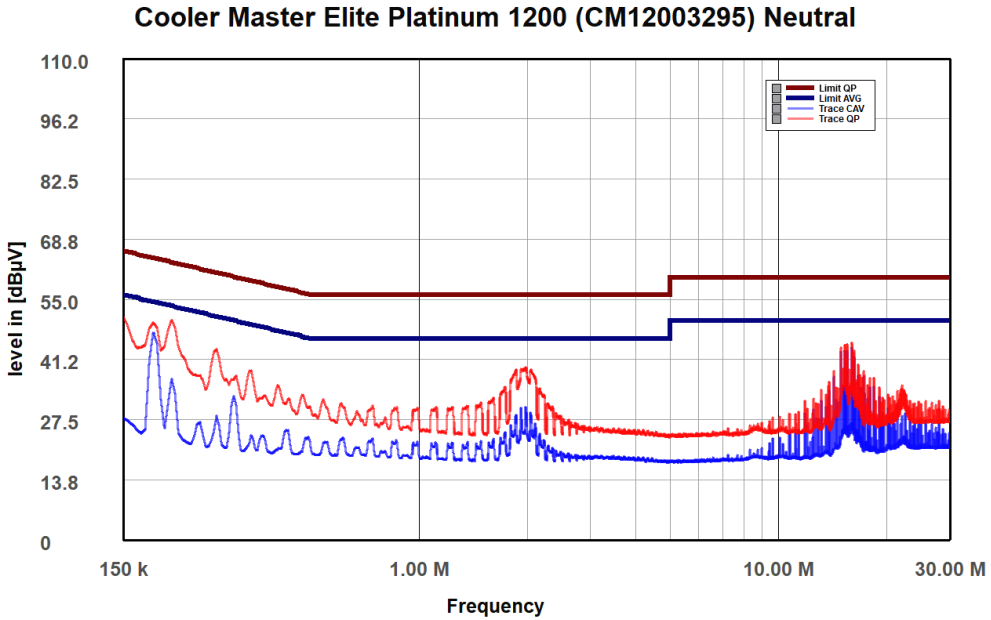
| Load | Normal ambient<br>fan · noise · intake | High ambient<br>fan · noise · intake | Noise change |
|---|---|---|---|
| 10% | 0 RPM · <6.0 dB(A) · 32.5 °C | 0 RPM · <6.0 dB(A) · 43.5 °C | fan off in both |
| 20% | 0 RPM · <6.0 dB(A) · 32.8 °C | 0 RPM · <6.0 dB(A) · 43.9 °C | fan off in both |
| 50% | 672 RPM · 19.8 dB(A) · 30.9 °C | 678 RPM · 19.9 dB(A) · 42.2 °C | **+0.1 dB(A)** |
| 100% | 1432 RPM · 40.9 dB(A) · 30.3 °C | 1858 RPM · 45.5 dB(A) · 45.9 °C | **+4.6 dB(A)** |

### INFO

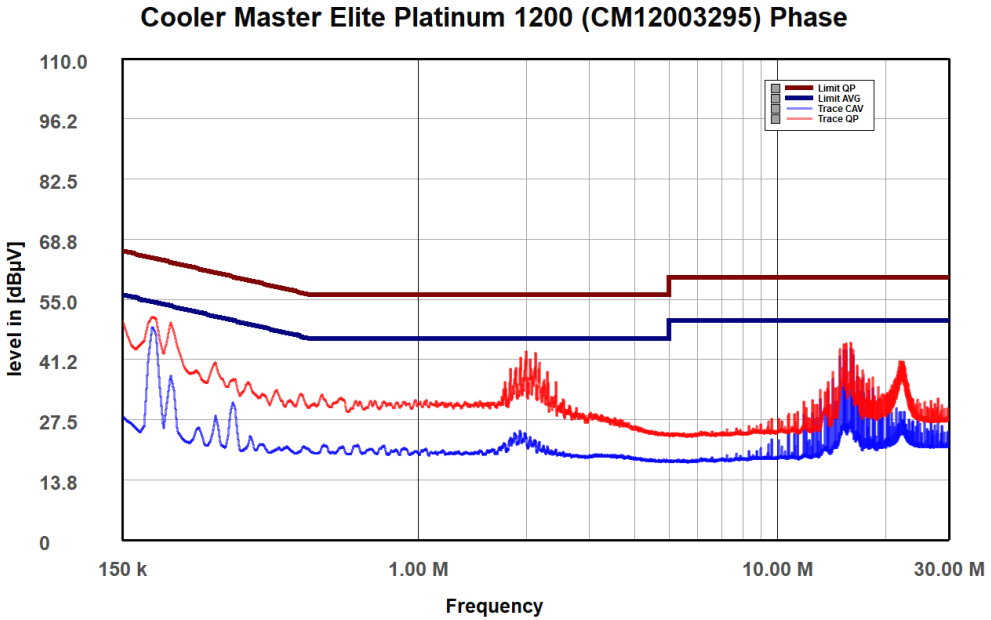
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative of how the fan behaves when it is hot. "<6.0" is the floor of our sound meter, with the fan stopped; with the fan stopped, the intake sensor can read higher than the chamber air.

*Informational. Not part of the ETA or LAMBDA rating.*

## Conducted Emissions EN 55032 & CISPR 32



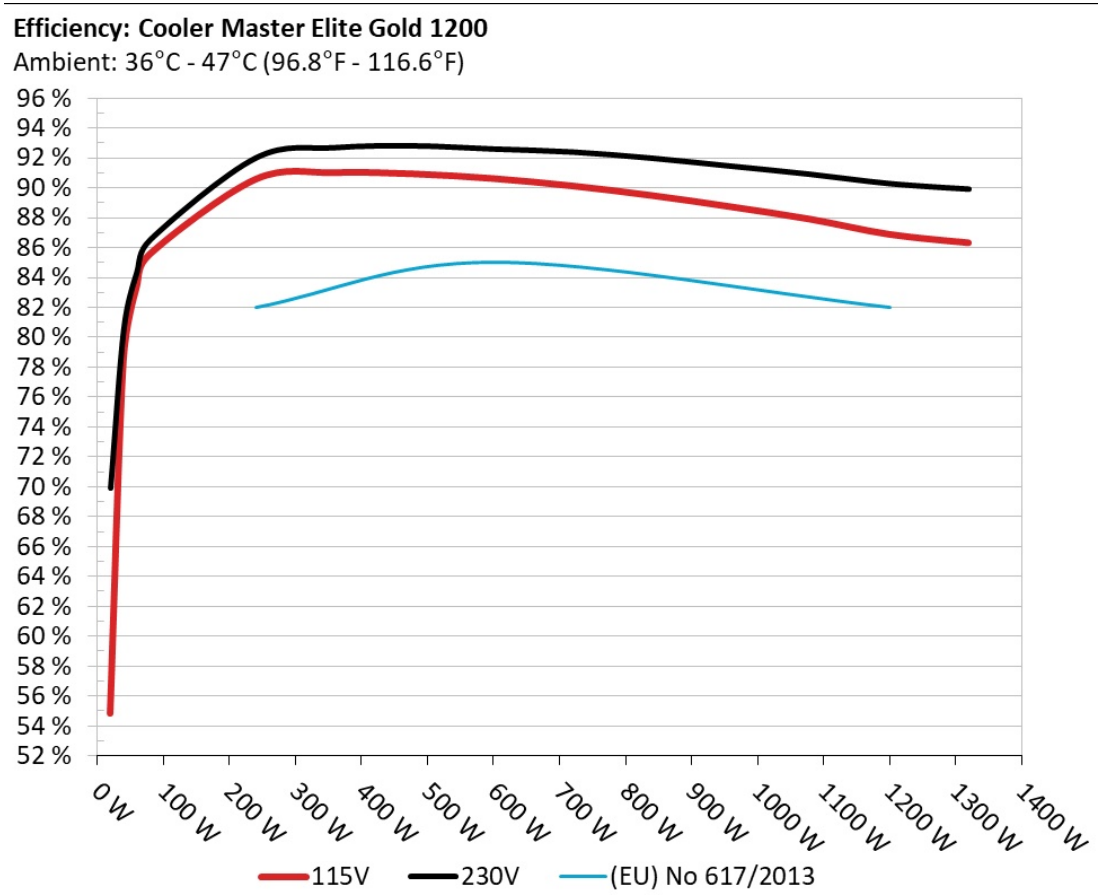

NEUTRAL




PHASE

## Indicative Performance

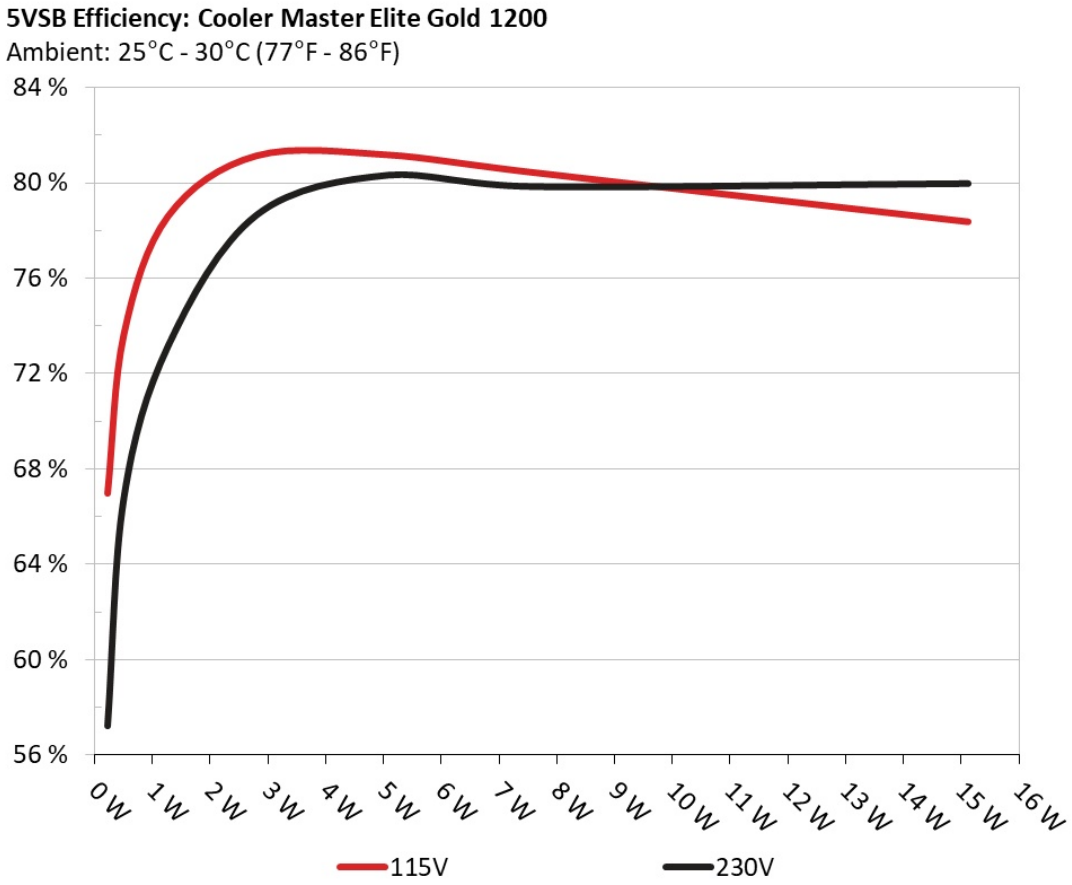
### Efficiency under high ambient temperature




**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 | 66.956% | 0.032 |
| | 5.111V | 0.344W | | 115.04V |
| **2** | **0.09A** | 0.46W | 72.995% | 0.058 |
| | 5.11V | 0.631W | | 115.05V |
| **3** | **0.1A** | 0.511W | 73.627% | 0.063 |
| | 5.11V | 0.694W | | 115.04V |
| **4** | **0.25A** | 1.277W | 78.59% | 0.135 |
| | 5.106V | 1.624W | | 115.04V |
| **5** | **0.55A** | 2.805W | 81.121% | 0.227 |
| | 5.099V | 3.458W | | 115.04V |
| **6** | **1A** | 5.089W | 81.158% | 0.296 |
| | 5.088V | 6.27W | | 115.04V |
| **7** | **1.5A** | 7.615W | 80.414% | 0.334 |
| | 5.076V | 9.47W | | 115.04V |
| **8** | **3A** | 15.115W | 78.353% | 0.378 |
| | 5.038V | 19.291W | | 115.04V |

### 230V

| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts |
|---|---|---|---|---|
| **1** | **0.045A** | 0.23W | 57.2% | 0.011 |
| | 5.11V | 0.403W | | 230.01V |
| **2** | **0.09A** | 0.46W | 65.843% | 0.02 |
| | 5.11V | 0.699W | | 230.01V |
| **3** | **0.1A** | 0.511W | 66.764% | 0.022 |
| | 5.109V | 0.766W | | 230.01V |
| **4** | **0.25A** | 1.277W | 73.151% | 0.048 |
| | 5.106V | 1.745W | | 230.01V |

| | | | | |
|---|---|---|---|---|
| **5** | **0.55A** | 2.805W | 78.64% | 0.094 |
| | 5.099V | 3.566W | | 230.01V |
| **6** | **1A** | 5.089W | 80.317% | 0.15 |
| | 5.088V | 6.336W | | 230.01V |
| **7** | **1.5A** | 7.615W | 79.834% | 0.197 |
| | 5.075V | 9.538W | | 230.01V |
| **8** | **3A** | 15.117W | 79.964% | 0.272 |
| | 5.038V | 18.905W | | 230.01V |

## Protection Features

| | |
|---|---|
| OCP (Normal @ 30.1°C) | 12V: 110.20A (110.20%), 12.147V<br>5V: 24.9A (124.50%), 4.986V<br>3.3V: 25.4A (127.00%), 3.287V<br>5VSB: 5.5A (183.33%), 4.967V |
| OCP (Hot @ 43.8°C) | 12V: 107.00A (107.00%), 12.146V<br>5V: 24.9A (124.50%), 4.978V<br>3.3V: 25.2A (126.00%), 3.289V<br>5VSB: 5.5A (183.33%), 4.96V |
| OPP (Normal @ 29.3°C) | 1274.92W (106.24%) |
| OPP (Hot @ 43.4°C) | 1298.97W (108.25%) |
| OTP | ✓ (147°C @ Secondary Side) |
| 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%** | **8.101A** | **1.994A** | **1.998A** | **0.985A** | 120.021 | 87.831% | 0 | <6.0 | 41.88°C | 0.896 |
| | 12.148V | 5.016V | 3.304V | 5.076V | 136.651 | | | | 40.39°C | 115V |
| **20%** | **17.215A** | **2.993A** | **2.998A** | **1.185A** | 239.996 | 90.6% | 0 | <6.0 | 43.34°C | 0.954 |
| | 12.146V | 5.012V | 3.303V | 5.063V | 264.895 | | | | 40.73°C | 114.96V |
| **30%** | **26.620A** | **3.493A** | **3.5A** | **1.386A** | 359.327 | 91.05% | 0 | <6.0 | 45.47°C | 0.974 |
| | 12.144V | 5.01V | 3.301V | 5.051V | 394.645 | | | | 41.07°C | 114.92V |
| **40%** | **36.112A** | **3.994A** | **4.003A** | **1.588A** | 479.671 | 90.965% | 682 | 20.2 | 41.82°C | 0.983 |
| | 12.142V | 5.008V | 3.298V | 5.039V | 527.307 | | | | 52.5°C | 114.88V |
| **50%** | **45.217A** | **4.996A** | **5.007A** | **1.791A** | 599.418 | 90.655% | 690 | 20.6 | 42.11°C | 0.987 |
| | 12.139V | 5.005V | 3.296V | 5.026V | 661.205 | | | | 52.88°C | 114.83V |
| **60%** | **54.389A** | **5.999A** | **6.012A** | **1.995A** | 719.92 | 90.159% | 880 | 27.5 | 42.62°C | 0.99 |
| | 12.137V | 5.002V | 3.294V | 5.013V | 798.503 | | | | 53.07°C | 114.79V |
| **70%** | **63.502A** | **7.003A** | **7.019A** | **2.2A** | 839.655 | 89.524% | 1142 | 35.1 | 43.12°C | 0.991 |
| | 12.134V | 4.999V | 3.292V | 5V | 937.908 | | | | 53.22°C | 114.74V |
| **80%** | **72.683A** | **8.006A** | **8.025A** | **2.305A** | 959.634 | 88.768% | 1441 | 41.0 | 43.66°C | 0.992 |
| | 12.132V | 4.996V | 3.29V | 4.99V | 1081.068 | | | | 53.94°C | 114.69V |
| **90%** | **82.191A** | **8.51A** | **8.515A** | **2.41A** | 1079.423 | 87.939% | 1699 | 44.8 | 44.36°C | 0.993 |
| | 12.129V | 4.993V | 3.289V | 4.979V | 1227.471 | | | | 55.05°C | 114.64V |
| **100%** | **91.513A** | **9.015A** | **9.037A** | **3.028A** | 1199.419 | 86.922% | 1972 | 48.7 | 45.08°C | 0.994 |
| | 12.126V | 4.991V | 3.287V | 4.955V | 1379.879 | | | | 56.74°C | 114.59V |
| **110%** | **100.755A** | **10.017A** | **10.153A** | **3.032A** | 1319.969 | 86.351% | 2052 | 49.3 | 46.61°C | 0.994 |
| | 12.125V | 4.99V | 3.28V | 4.948V | 1528.671 | | | | 56.15°C | 114.54V |
| **CL1** | **0.116A** | **14.456A** | **14.491A** | **0A** | 121.295 | 80.592% | 0 | <6.0 | 52.18°C | 0.907 |
| | 12.147V | 4.993V | 3.292V | 5.093V | 150.506 | | | | 41.26°C | 114.99V |

| 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** | **20.045A** | **0A** | **0A** | 101.347 | 79.098% | 0 | <6.0 | 45.64°C | 0.888 |
| | 12.150V | 4.986V | 3.299V | 5.097V | 128.13 | | | | 40.68°C | 115.01V |
| **CL3** | **0.114A** | **0A** | **19.977A** | **0A** | 67.398 | 72.985% | 0 | <6.0 | 42.66°C | 0.841 |
| | 12.150V | 4.997V | 3.304V | 5.097V | 92.346 | | | | 40.39°C | 115.02V |
| **CL4** | **98.914A** | **0A** | **0A** | **0.001A** | 1199.918 | 87.703% | 1869 | 45.6 | 45.91°C | 0.993 |
| | 12.131V | 5.011V | 3.293V | 5.042V | 1368.166 | | | | 54.35°C | 114.6V |

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%** | **8.096A** | **1.993A** | **2.003A** | **0.984A** | 119.983 | 88.991% | 0 | <6.0 | 43.53°C | 0.717 |
| | 12.152V | 5.016V | 3.294V | 5.079V | 134.826 | | | | 40.1°C | 229.99V |
| **20%** | **17.206A** | **2.992A** | **3.004A** | **1.184A** | 239.934 | 92.024% | 0 | <6.0 | 43.92°C | 0.865 |
| | 12.149V | 5.014V | 3.296V | 5.066V | 260.732 | | | | 40.54°C | 229.97V |
| **30%** | **26.596A** | **3.492A** | **3.505A** | **1.385A** | 359.107 | 92.71% | 0 | <6.0 | 44.23°C | 0.92 |
| | 12.147V | 5.012V | 3.295V | 5.053V | 387.342 | | | | 41.49°C | 229.95V |
| **40%** | **36.091A** | **3.992A** | **4.007A** | **1.587A** | 479.478 | 92.832% | 630 | 17.9 | 41.89°C | 0.945 |
| | 12.144V | 5.01V | 3.294V | 5.04V | 516.506 | | | | 45.11°C | 229.9V |
| **50%** | **45.193A** | **4.994A** | **5.014A** | **1.79A** | 599.222 | 92.622% | 678 | 19.9 | 42.15°C | 0.96 |
| | 12.142V | 5.006V | 3.291V | 5.027V | 646.953 | | | | 50.16°C | 229.91V |
| **60%** | **54.363A** | **5.996A** | **6.021A** | **1.994A** | 719.725 | 92.42% | 780 | 24.4 | 42.85°C | 0.969 |
| | 12.139V | 5.003V | 3.289V | 5.014V | 778.756 | | | | 52.37°C | 229.89V |
| **70%** | **63.474A** | **7A** | **7.029A** | **2.199A** | 839.473 | 92.009% | 1055 | 32.5 | 43.18°C | 0.973 |
| | 12.136V | 5V | 3.287V | 5.001V | 912.382 | | | | 54.19°C | 229.86V |
| **80%** | **72.659A** | **8.003A** | **8.039A** | **2.305A** | 959.485 | 91.475% | 1365 | 40.1 | 43.96°C | 0.977 |
| | 12.134V | 4.997V | 3.284V | 4.99V | 1048.907 | | | | 54.99°C | 229.84V |
| **90%** | **82.169A** | **8.507A** | **8.532A** | **2.41A** | 1079.306 | 90.932% | 1630 | 43.9 | 44.95°C | 0.98 |
| | 12.131V | 4.994V | 3.282V | 4.979V | 1186.941 | | | | 56.6°C | 229.82V |

| Test | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
|---|---|---|---|---|---|---|---|---|---|---|
| **100%** | **91.492A** | **9.013A** | **9.055A** | **3.028A** | 1199.336 | 90.307% | 1858 | 45.5 | 45.86°C | 0.983 |
| | 12.128V | 4.992V | 3.28V | 4.954V | 1328.067 | | | | 58.37°C | 229.8V |
| **110%** | **100.750A** | **10.021A** | **10.173A** | **3.033A** | 1319.973 | 89.934% | 1547 | 42.2 | 46.19°C | 0.985 |
| | 12.126V | 4.988V | 3.273V | 4.946V | 1467.732 | | | | 57.77°C | 229.75V |
| **CL1** | **0.116A** | **14.464A** | **14.522A** | **0A** | 121.293 | 81.663% | 22 | <6.0 | 40.9°C | 0.745 |
| | 12.149V | 4.991V | 3.285V | 5.093V | 148.525 | | | | 40.56°C | 229.99V |
| **CL2** | **0.115A** | **20.047A** | **0A** | **0A** | 101.343 | 80.092% | 0 | <6.0 | 46.2°C | 0.703 |
| | 12.151V | 4.986V | 3.298V | 5.097V | 126.535 | | | | 41.8°C | 229.99V |
| **CL3** | **0.114A** | **0A** | **20.028A** | **0A** | 67.395 | 75.208% | 0 | <6.0 | 42.81°C | 0.624 |
| | 12.151V | 4.993V | 3.296V | 5.097V | 92.422 | | | | 40.42°C | 230V |
| **CL4** | **98.912A** | **0A** | **0A** | **0.001A** | 1199.906 | 90.934% | 1965 | 48.6 | 45.36°C | 0.983 |
| | 12.131V | 5.009V | 3.294V | 5.041V | 1319.546 | | | | 58.95°C | 229.8V |

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** | **1.224A** | **0.498A** | **0.5A** | **0.196A** | 20.018 | 54.818% | 0 | <6.0 | 37.06°C | 0.685 |
| | 12.150V | 5.019V | 3.304V | 5.104V | 38.361 | | | | 36.66°C | 115.02V |
| **40W** | **2.692A** | **0.697A** | **0.699A** | **0.294A** | 40.013 | 78.442% | 0 | <6.0 | 36.81°C | 0.73 |
| | 12.150V | 5.019V | 3.304V | 5.1V | 51.01 | | | | 37.71°C | 115.03V |
| **60W** | **4.160A** | **0.897A** | **0.899A** | **0.393A** | 60.011 | 83.403% | 0 | <6.0 | 39.52°C | 0.8 |
| | 12.149V | 5.019V | 3.305V | 5.096V | 71.953 | | | | 38.26°C | 115.02V |
| **80W** | **5.624A** | **1.096A** | **1.098A** | **0.491A** | 79.968 | 85.585% | 0 | <6.0 | 42.55°C | 0.844 |
| | 12.149V | 5.018V | 3.305V | 5.092V | 93.435 | | | | 39.42°C | 115.01V |

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** | **1.222A** | **0.498A** | **0.5A** | **0.196A** | 19.994 | 69.905% | 0 | <6.0 | 37.85°C | 0.358 |
| | 12.153V | 5.022V | 3.298V | 5.106V | 28.602 | | | | 36.15°C | 229.89V |
| **40W** | **2.690A** | **0.697A** | **0.7A** | **0.294A** | 39.995 | 80.565% | 0 | <6.0 | 41.78°C | 0.548 |
| | 12.153V | 5.022V | 3.299V | 5.103V | 49.643 | | | | 37.08°C | 229.89V |
| **60W** | **4.158A** | **0.896A** | **0.9A** | **0.392A** | 59.996 | 84.397% | 0 | <6.0 | 44.28°C | 0.575 |
| | 12.152V | 5.022V | 3.3V | 5.099V | 71.088 | | | | 38.74°C | 229.89V |
| **80W** | **5.620A** | **1.095A** | **1.1A** | **0.491A** | 79.929 | 86.541% | 0 | <6.0 | 47.65°C | 0.676 |
| | 12.152V | 5.022V | 3.3V | 5.095V | 92.36 | | | | 39.47°C | 229.88V |

The results above are not used in the certification process

## Ripple Measurements

### 115V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 36.63mV | 26.57mV | 25.22mV | 25.88mV | Pass |
| 20% Load | 39.04mV | 26.26mV | 23.94mV | 24.66mV | Pass |
| 30% Load | 42.05mV | 27.23mV | 24.60mV | 25.47mV | Pass |
| 40% Load | 43.95mV | 26.92mV | 24.45mV | 24.91mV | Pass |
| 50% Load | 42.26mV | 27.43mV | 24.50mV | 25.53mV | Pass |
| 60% Load | 42.26mV | 28.15mV | 25.78mV | 26.65mV | Pass |
| 70% Load | 42.05mV | 28.61mV | 25.42mV | 28.29mV | Pass |
| 80% Load | 42.26mV | 31.01mV | 26.34mV | 27.83mV | Pass |
| 90% Load | 42.92mV | 32.59mV | 26.60mV | 29.72mV | Pass |
| 100% Load | 45.18mV | 32.34mV | 27.88mV | 29.67mV | Pass |
| 110% Load | 42.26mV | 29.33mV | 26.29mV | 28.95mV | Pass |
| Crossload1 | 36.68mV | 29.17mV | 26.50mV | 24.91mV | Pass |
| Crossload2 | 36.63mV | 36.02mV | 25.68mV | 25.78mV | Pass |

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| Crossload3 | 31.62mV | 29.94mV | 27.42mV | 24.71mV | Pass |
| Crossload4 | 43.33mV | 30.70mV | 25.53mV | 28.59mV | Pass |

The results above are not used in the certification process

**230V**

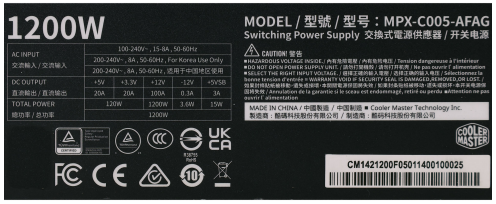
| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|---|---|---|---|---|---|
| 10% Load | 35.92mV | 29.07mV | 26.60mV | 26.96mV | Pass |
| 20% Load | 41.75mV | 28.76mV | 25.37mV | 27.83mV | Pass |
| 30% Load | 43.74mV | 30.09mV | 27.27mV | 27.16mV | Pass |
| 40% Load | 42.46mV | 26.67mV | 24.04mV | 25.47mV | Pass |
| 50% Load | 44.41mV | 30.60mV | 27.37mV | 29.21mV | Pass |
| 60% Load | 45.38mV | 30.86mV | 28.49mV | 29.21mV | Pass |
| 70% Load | 44.82mV | 32.75mV | 35.30mV | 30.59mV | Pass |
| 80% Load | 45.33mV | 31.98mV | 29.26mV | 30.49mV | Pass |
| 90% Load | 45.02mV | 31.98mV | 29.00mV | 31.10mV | Pass |
| 100% Load | 45.02mV | 32.24mV | 29.52mV | 32.79mV | Pass |
| 110% Load | 44.00mV | 30.55mV | 26.80mV | 28.70mV | Pass |
| Crossload1 | 36.37mV | 30.30mV | 27.67mV | 28.34mV | Pass |
| Crossload2 | 35.81mV | 38.26mV | 27.62mV | 27.26mV | Pass |
| Crossload3 | 33.77mV | 29.33mV | 29.41mV | 27.06mV | Pass |
| Crossload4 | 45.23mV | 31.88mV | 27.83mV | 30.54mV | Pass |

The results above are not used in the certification process

## Cooler Master Elite Gold 1200



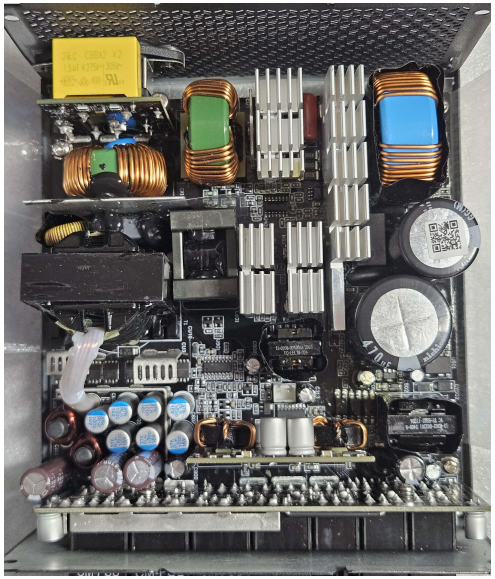

Top side




Power specifications label




FAN



PSU Internals

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