



Make It Yours.

# Cooler Master MWE Gold 750 V4

□□ -

Lab ID CM75003436

Certification ID 263436

Test Result Report ID: 26PS3436A

Certificate Issue Date: Oct 8, 2026

115V

230V

Scheme: ETA-EMI PSU



115V

230V

Scheme: LAMBDA PSU





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                             | MWE Gold 750 V4 |
| OEM/ODM                           | GOSPOWER        |
| Serial Number                     | -               |
| Product Specifications            |                 |
| Manufacturer-Provided Information |                 |
| $\square\square\square$ (Vrms)    | 100-240         |
| $\square\square\square$ (Arms)    | 6-10            |

|                                                   |                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------|
| □□□□ (Hz)                                         | 50-60                                                                               |
| □□□□ (W)                                          | 750                                                                                 |
| Operating Temperature (Continuous Full Load) (°C) | 0 - 40                                                                              |
| □□                                                | ATX12V                                                                              |
| □□□□                                              | Fully Modular                                                                       |
| Warranty                                          | 10 years                                                                            |
| Cybenetics Measurements                           |                                                                                     |
| Dimensions (W x H x D)                            | 150 x 86 x 140mm                                                                    |
| Weight                                            | 1.32 kg (2.91 lb)                                                                   |
| □□                                                | 120mm Fluid Dynamic Bearing Fan (HA1225H12F-Z)                                      |
| □□□□                                              | ✓                                                                                   |
| Cybenetics Testing Information                    |                                                                                     |
| Lab ID                                            | CM75003436                                                                          |
| Date of receipt                                   | Sep 10, 2026                                                                        |
| Testing Date                                      | Oct 7, 2026                                                                         |
| Report Issued Date                                | Oct 8, 2026                                                                         |
| Engineer Name                                     | Ioannis Kalyviotis                                                                  |
| Authorized By the Laboratory Technical Manager    | Aristeidis Bitziopoulos                                                             |
| Signature                                         |  |

□□□□ (Non-accredited measurements)

| □□                              | □□□□ | □□□□□ | Gauge    | Cable Type    |
|---------------------------------|------|-------|----------|---------------|
| ATX □□ 24 pin (600mm)           | 1    | 1     | 18AWG    | Tinned Copper |
| 4+4 pin EPS 12V □□ (700mm)      | 1    | 1     | 18AWG    | Tinned Copper |
| 8 pin EPS 12V □□ (700mm)        | 1    | 1     | 18AWG    | Tinned Copper |
| 6+2pin PCIe□□ (600mm+125mm)     | 2    | 4     | 16-18AWG | Tinned Copper |
| 12+4 pin PCIe (600mm) (600W)    | 1    | 1     | 16-24AWG | Tinned Copper |
| SATA□□ (400mm+110mm+110mm)      | 2    | 6     | 18AWG    | Tinned Copper |
| 4-pin Molex (400mm+120mm+120mm) | 1    | 3     | 18AWG    | Tinned Copper |

|                                      |   |   |            |   |
|--------------------------------------|---|---|------------|---|
|                                      |   |   |            |   |
| AC Power Cord (1350mm) - C13 coupler | 1 | 1 | 3G 0.75mm² | - |

Protection Features(Manufacturer)

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

□□□□

|          |    |      |    |      |      |      |
|----------|----|------|----|------|------|------|
| □        |    | 3.3V | 5V | 12V  | 5VSB | -12V |
| □□□□     | □□ | 20   | 20 | 62.5 | 3    | 0.3  |
|          | □  | 120  |    | 750  | 15   | 3.6  |
| □□□□ (W) |    | 750  |    |      |      |      |

Parts Description

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| General Data       |                                                                  |
| Manufacturer (OEM) | GOSPOWER                                                         |
| PCB Type           | Double-Sided                                                     |
| Primary Side       |                                                                  |
| Transient Filter   | 4x Y caps, 3x X caps, 2x CM chokes, 1x MOV                       |
| Inrush Protection  | 1x NTC 5D-20 (5 Ohm @ 25°C) & Relay                              |
| Bridge Rectifier   | 2x GBU1008 (800V, 10A @ 100°C)                                   |
| APFC MOSFETs       | 1x CR Micro CRJQ80N65F (650V, 33.7A @ 100°C, Rds(on): 0.090Ohm)  |
| APFC Boost Diode   | 1x Zhixin Microelectronics SDC10065NAS (650V, 10A @ 150°C)       |
| Bulk Cap(s)        | 1x Toshin Kogyo (450V, 390uF, 2000h @ 105°C, LGW )               |
| Main Switchers     | 2x CR Micro CRJF99N65G2BF (650V, 20A @ 100°C, Rds(on): 0.099Ohm) |

|                           |                                                                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APFC+LLC Combo Controller | MPS HR1280                                                                                                                                                            |
| Topology                  | Primary side: APFC, Half-Bridge & LLC Resonant Converter<br>Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters                          |
| <b>Secondary Side</b>     |                                                                                                                                                                       |
| +12V MOSFETs              | 4x 014N04B                                                                                                                                                            |
| 5V & 3.3V                 | DC-DC Converters: 4x CRSM035N03L6Z (30V, 54A @ 100°C, Rds(on): 3.5mOhm)<br>PWM Controller(s): 1x APW7391                                                              |
| Filtering Capacitors      | Electrolytic:<br>2x CapXon (2000~5000h@ 105°C, KF )<br>1x CapXon (3000~7000h @ 105°C, GH )<br>1x Elite (2000h @ 105°C, EL )<br>Polymer:<br>17x CapXon<br>19x Nichicon |
| Supervisor IC             | INFSitronix IN1T709-SDG                                                                                                                                               |
| Fan Model                 | Hong Hua HA1225H12F-Z (120mm, 12V, 0.58A, Fluid Dynamic Bearing Fan )                                                                                                 |
| <b>5VSB Circuit</b>       |                                                                                                                                                                       |
| Rectifier                 | Yangjie SS10U45                                                                                                                                                       |
| Standby PWM Controller    | INFSitronix IN2P380C                                                                                                                                                  |

## Test Results

### Temperature & Compliance Info

|                                              |                   |
|----------------------------------------------|-------------------|
| □□□□ (°C /°F)                                | 28-32 / 82.4-89.6 |
| □□ ErP Lot3/6□□                              | ✓                 |
| □□ (EU) No 617/2013□□                        | ✓                 |
| ALPM (Alternative Low Power Mode) compatible | ✓                 |
| ATX v3.1 PSU Power Excursion                 | ✓                 |
| Conducted Emissions EN 55032 & CISPR 32      | Passed            |

## Performance Summary

### 115V

|                                                       |          |
|-------------------------------------------------------|----------|
| Accredited                                            |          |
| □□□□ (>1450 load combinations)                        | 88.796%  |
| Average Noise Output (>1450 Load Combinations)        | 25.96dBA |
| PF□□□ (>1450 Load Combinations)                       | 0.987    |
| Efficiency With 10W ( $\leq$ 500W) or 2% (>500W) Load | 64.830%  |
| □□□□□                                                 | 0.0595W  |
| Non-Accredited                                        |          |
| 12V Ripple (Full Load)                                | 29.15mV  |
| 5V Ripple (Full Load)                                 | 20.66mV  |
| 3.3V Ripple (Full Load)                               | 22.74mV  |
| 5VSB Ripple (Full Load)                               | 21.40mV  |
| 12V Load Regulation                                   | 0.68%    |
| 5V Load Regulation                                    | 0.18%    |
| 3.3V Load Regulation                                  | 0.36%    |
| 5VSB Load Regulation                                  | 3.54%    |
| Inrush Current                                        | 23.250A  |

### 230V

|                                                       |          |
|-------------------------------------------------------|----------|
| Accredited                                            |          |
| □□□□ (>1450 load combinations)                        | 91.296%  |
| Average Noise Output (>1450 Load Combinations)        | 25.96dBA |
| PF□□□ (>1450 Load Combinations)                       | 0.936    |
| Efficiency With 10W ( $\leq$ 500W) or 2% (>500W) Load | 68.368%  |
| □□□□□                                                 | 0.1502W  |
| Non-Accredited                                        |          |
| 12V Ripple (Full Load)                                | 31.45mV  |
| 5V Ripple (Full Load)                                 | 20.40mV  |
| 3.3V Ripple (Full Load)                               | 23.91mV  |

|                                  |                                        |                                        |
|----------------------------------|----------------------------------------|----------------------------------------|
| 5VSB Ripple (Full Load)          | 21.96mV                                |                                        |
| 12V Load Regulation              | 0.69%                                  |                                        |
| 5V Load Regulation               | 0.12%                                  |                                        |
| 3.3V Load Regulation             | 0.24%                                  |                                        |
| 5VSB Load Regulation             | 3.56%                                  |                                        |
| Inrush Current                   | 60.160A                                |                                        |
| 12V Transient Response (200%)    | 11.48V                                 |                                        |
| 5V Transient Response (200%)     | 4.947V                                 |                                        |
| 3.3V Transient Response (200%)   | 3.245V                                 |                                        |
| 5VSB Transient Response (200%)   | 4.931V                                 |                                        |
| □□□□ & PG□□                      | 23.20ms                                |                                        |
| AC Loss to PWR_OK Hold Up Time   | 19.00ms                                |                                        |
| PWR_OK Inactive to DC Loss Delay | 4.20ms                                 |                                        |
| PSU Timings: T1 (20% / 100%)     | 108.0ms                                | 111.0ms                                |
| PSU Timings: T3 (20% / 100%)     | 120.0ms                                | 119.0ms                                |
| 12V OCP (29.2°C / 42.9°C)        | 70.900A (113.44%), 11.989V — shut down | 70.900A (113.44%), 11.986V — shut down |
| 5V OCP (29.2°C / 42.9°C)         | 24.100A (120.50%), 5.147V — shut down  | 24.200A (121.00%), 5.166V — shut down  |
| 3.3V OCP (29.2°C / 42.9°C)       | 23.800A (119.00%), 3.439V — shut down  | 23.800A (119.00%), 3.450V — shut down  |
| 5VSB OCP (29.2°C / 42.9°C)       | 4.300A (143.33%), 4.869V — shut down   | 4.300A (143.33%), 4.865V — shut down   |
| OPP (28.49°C / 42.43°C)          | 129.18%                                | 129.17%                                |

### □□□□ & PG□□

|                                       |      |
|---------------------------------------|------|
| Hold-Up Time (ms)                     | 23.2 |
| AC Loss to PWR_OK Hold Up Time (ms)   | 19.0 |
| PWR_OK Inactive to DC Loss Delay (ms) | 4.2  |



## Tables

### 115V

| Detailed Results   |          |          |           |          |           |        |
|--------------------|----------|----------|-----------|----------|-----------|--------|
|                    | Average  | Min      | Limit Min | Max      | Limit Max | Result |
| Mains Voltage RMS: | 115.00 V | 114.98 V | 113.85 V  | 115.01 V | 116.15 V  | PASS   |
| Mains Frequency:   | 60.00 Hz | 59.91 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       | 0.16 %   | 2.00 %    | PASS   |
| Real Power:        | 0.060 W  | 0.006 W  | N/A       | 0.096 W  | N/A       | N/A    |
| Apparent Power:    | 17.440 W | 17.423 W | N/A       | 17.459 W | N/A       | N/A    |
| Power Factor:      | 0.004    | N/A      | N/A       | N/A      | N/A       | N/A    |

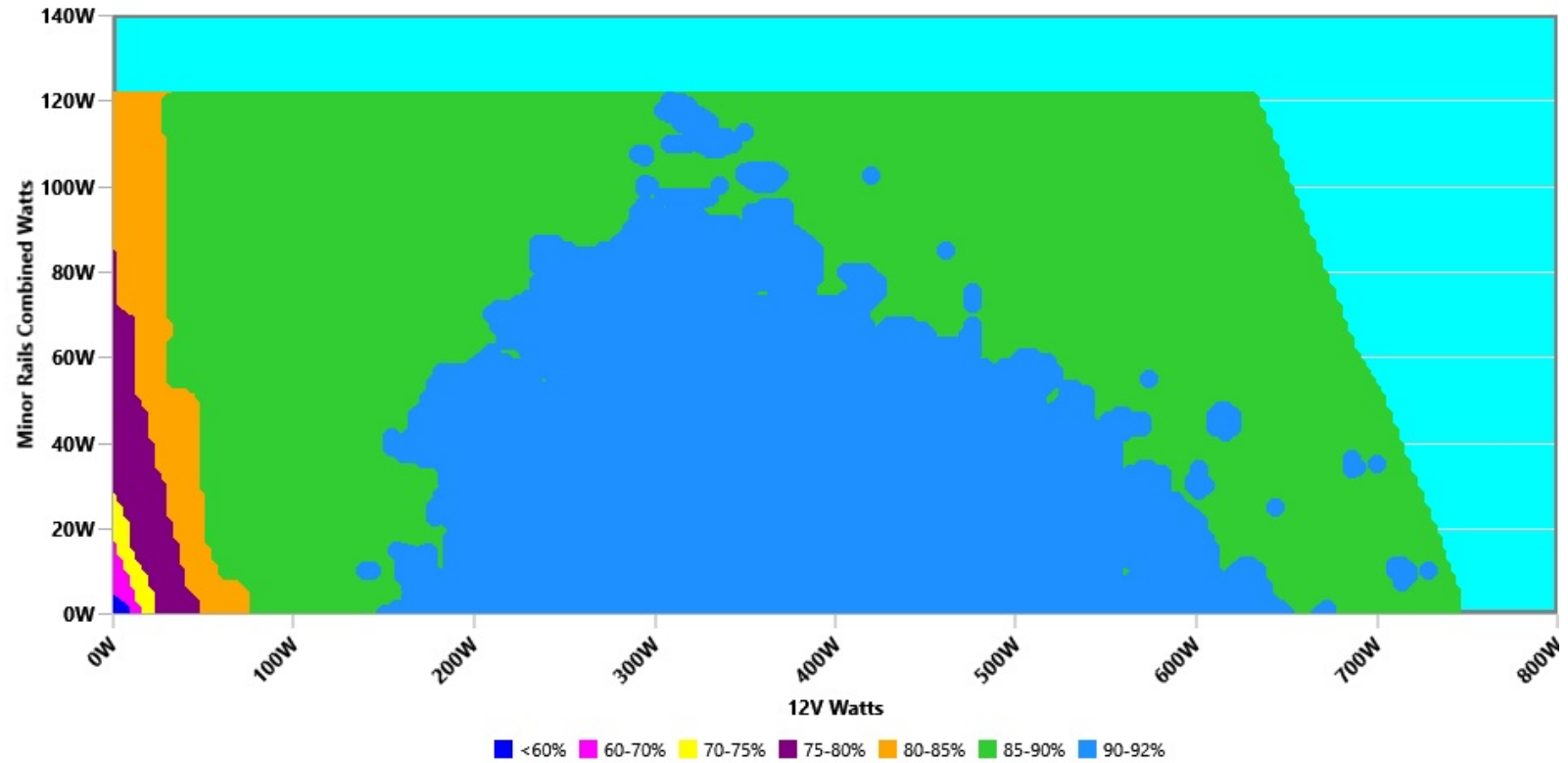
### 230V

| Detailed Results   |          |          |           |          |           |        |
|--------------------|----------|----------|-----------|----------|-----------|--------|
|                    | Average  | Min      | Limit Min | Max      | Limit Max | Result |
| Mains Voltage RMS: | 230.00 V | 229.98 V | 227.70 V  | 230.01 V | 232.30 V  | PASS   |
| Mains Frequency:   | 50.00 Hz | 49.99 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:        | 0.150 W  | 0.099 W  | N/A       | 0.264 W  | N/A       | N/A    |
| Apparent Power:    | 57.874 W | 57.837 W | N/A       | 57.914 W | N/A       | N/A    |
| Power Factor:      | 0.003    | N/A      | N/A       | N/A      | N/A       | N/A    |

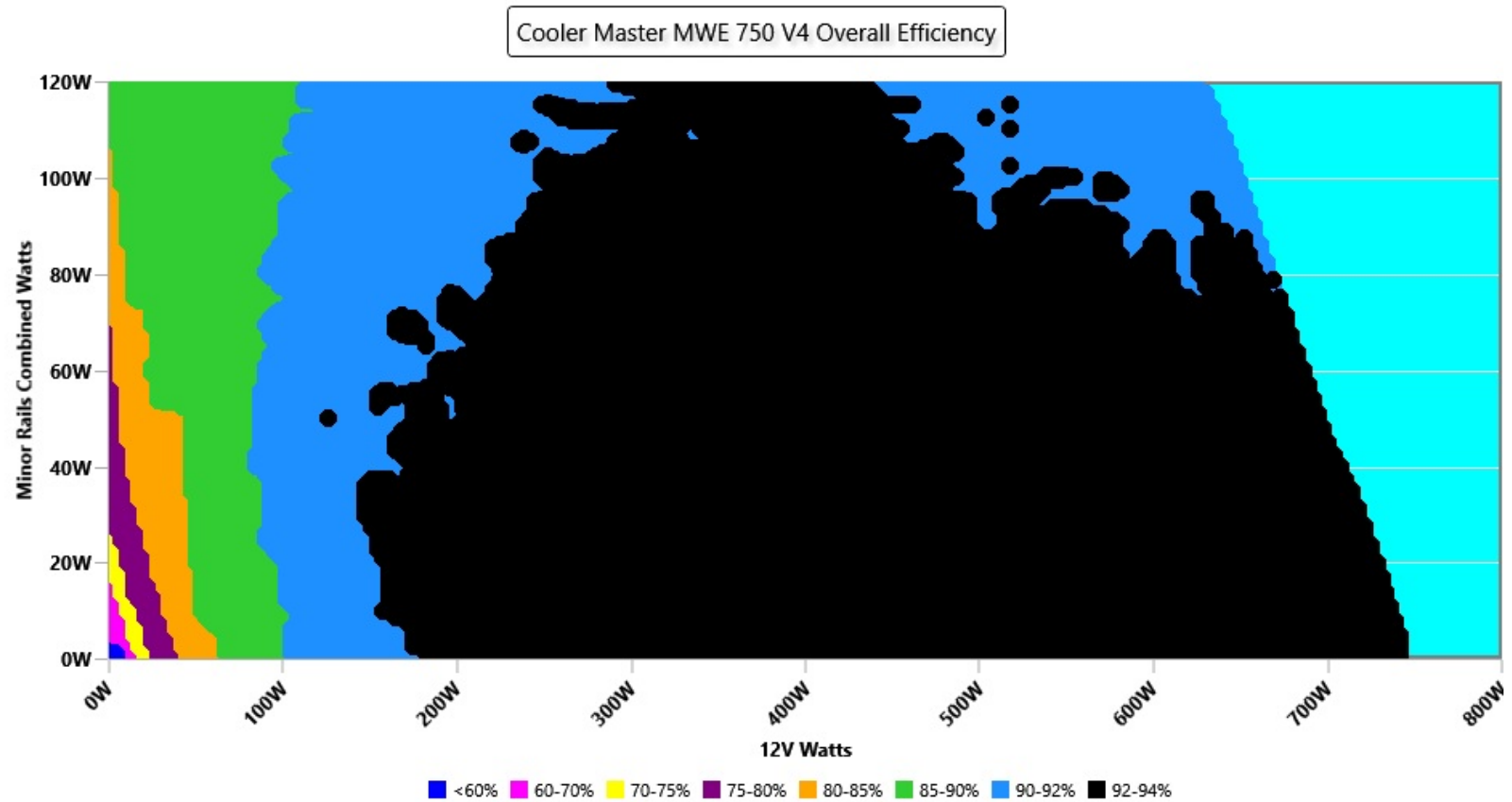


115V

Cooler Master MWE 750 V4 Overall Efficiency



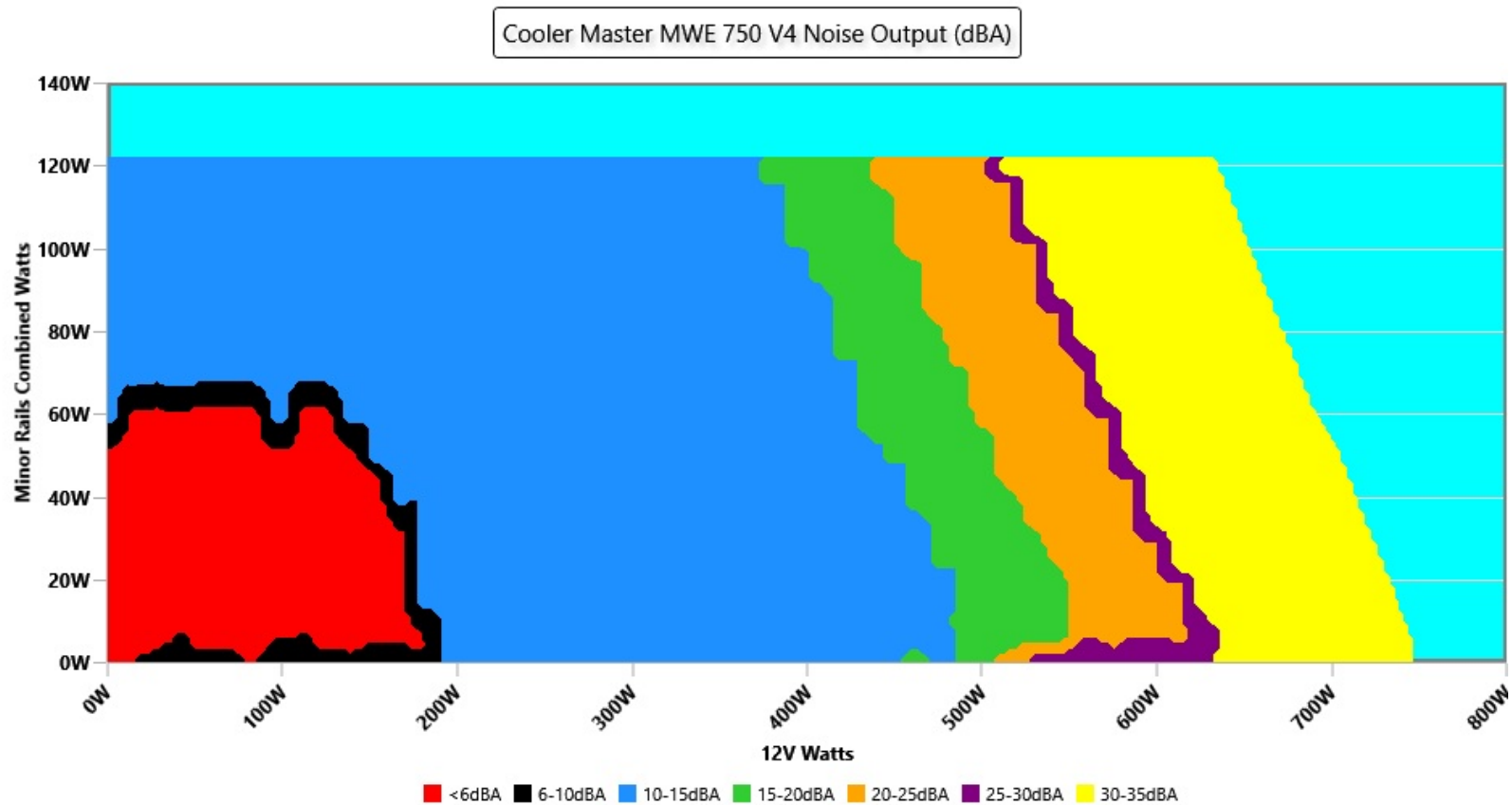
This graph depicts the PSU's efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations



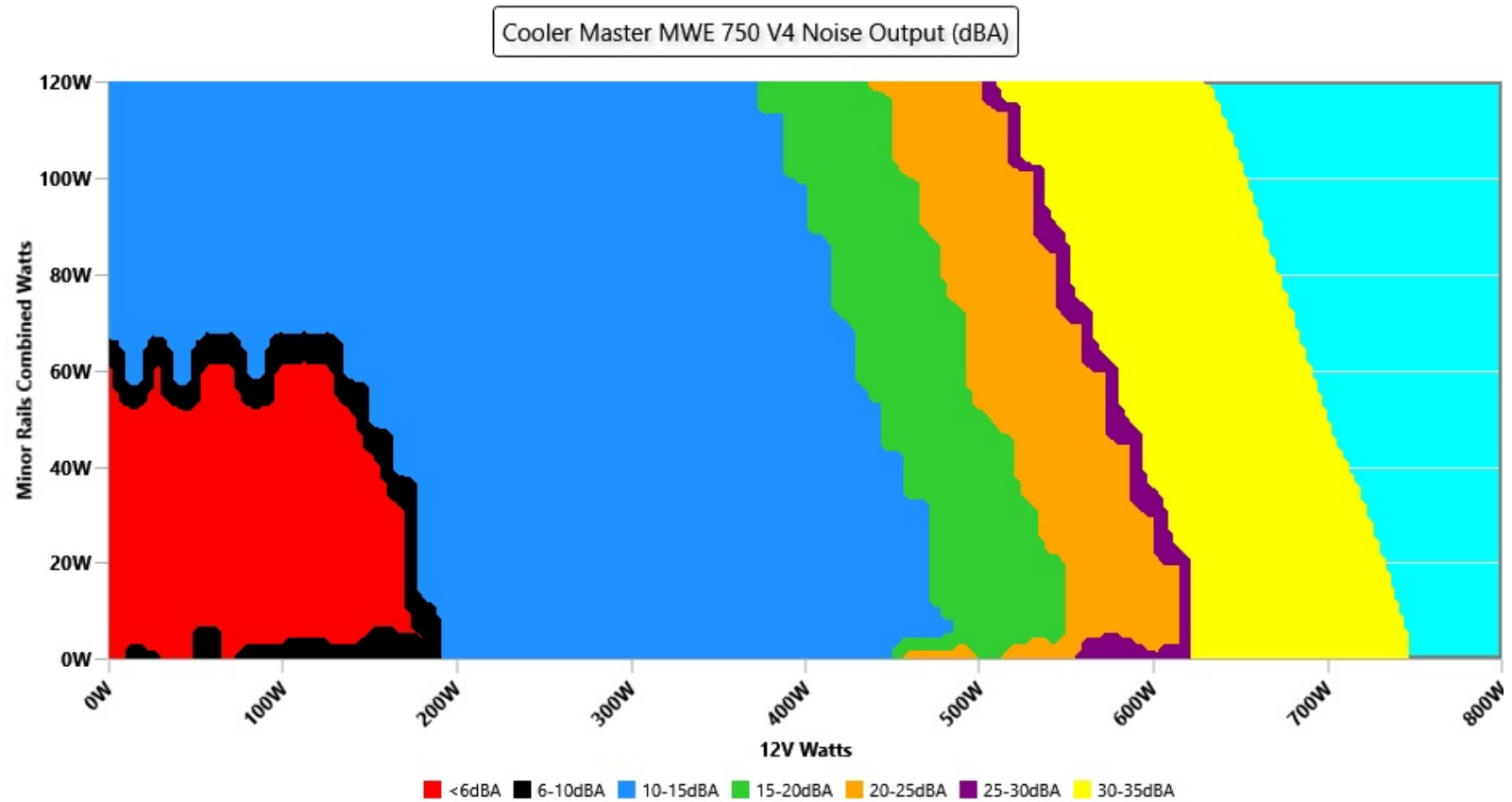
This graph depicts the PSU's efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations



115V



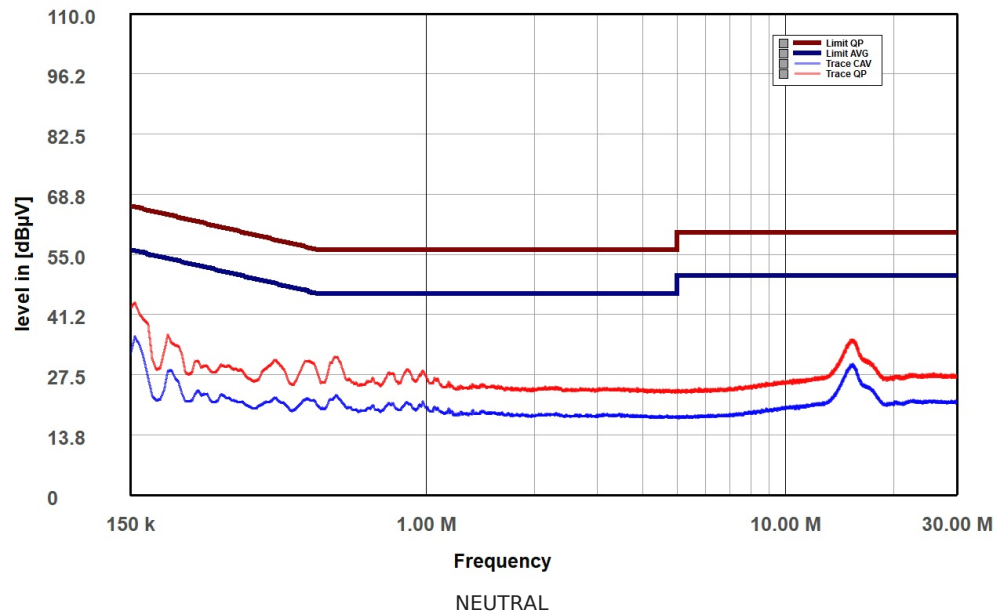
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails



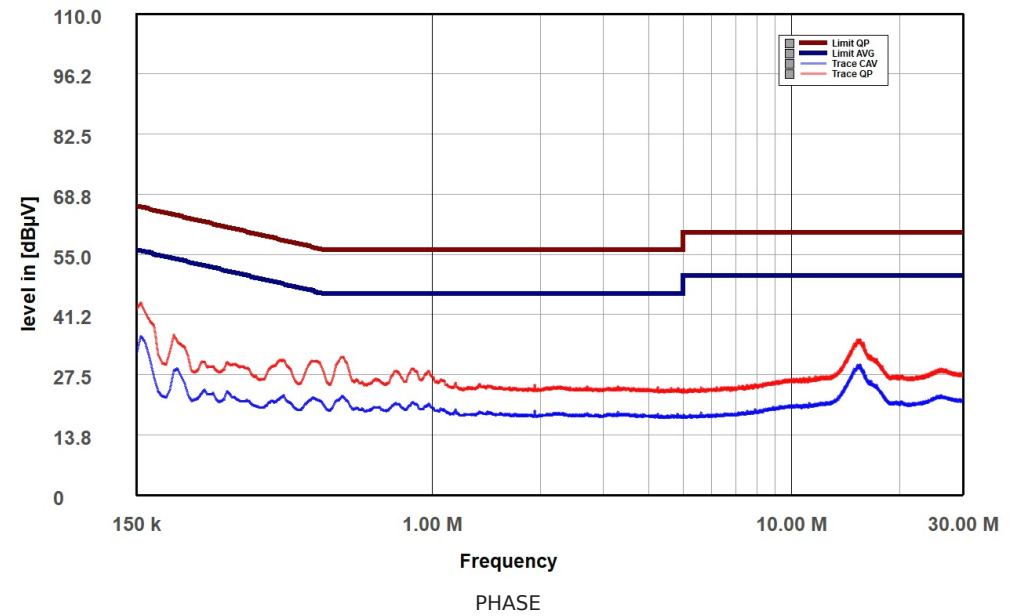
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

## Conducted Emissions EN 55032 & CISPR 32

Cooler Master MWE Gold 750 V4 (CM75003436) Neutral

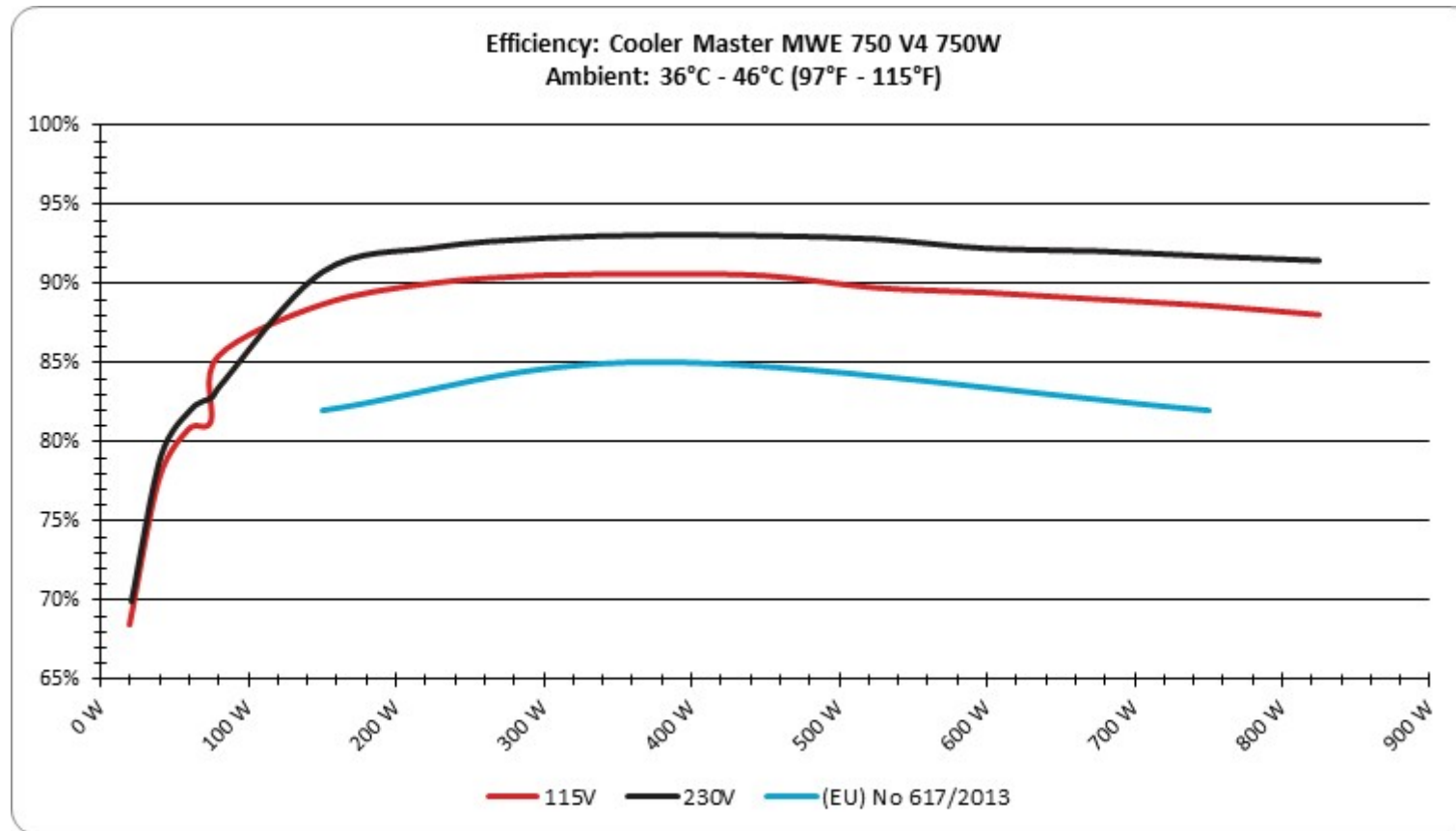


Cooler Master MWE Gold 750 V4 (CM75003436) Phase



## Indicative Performance

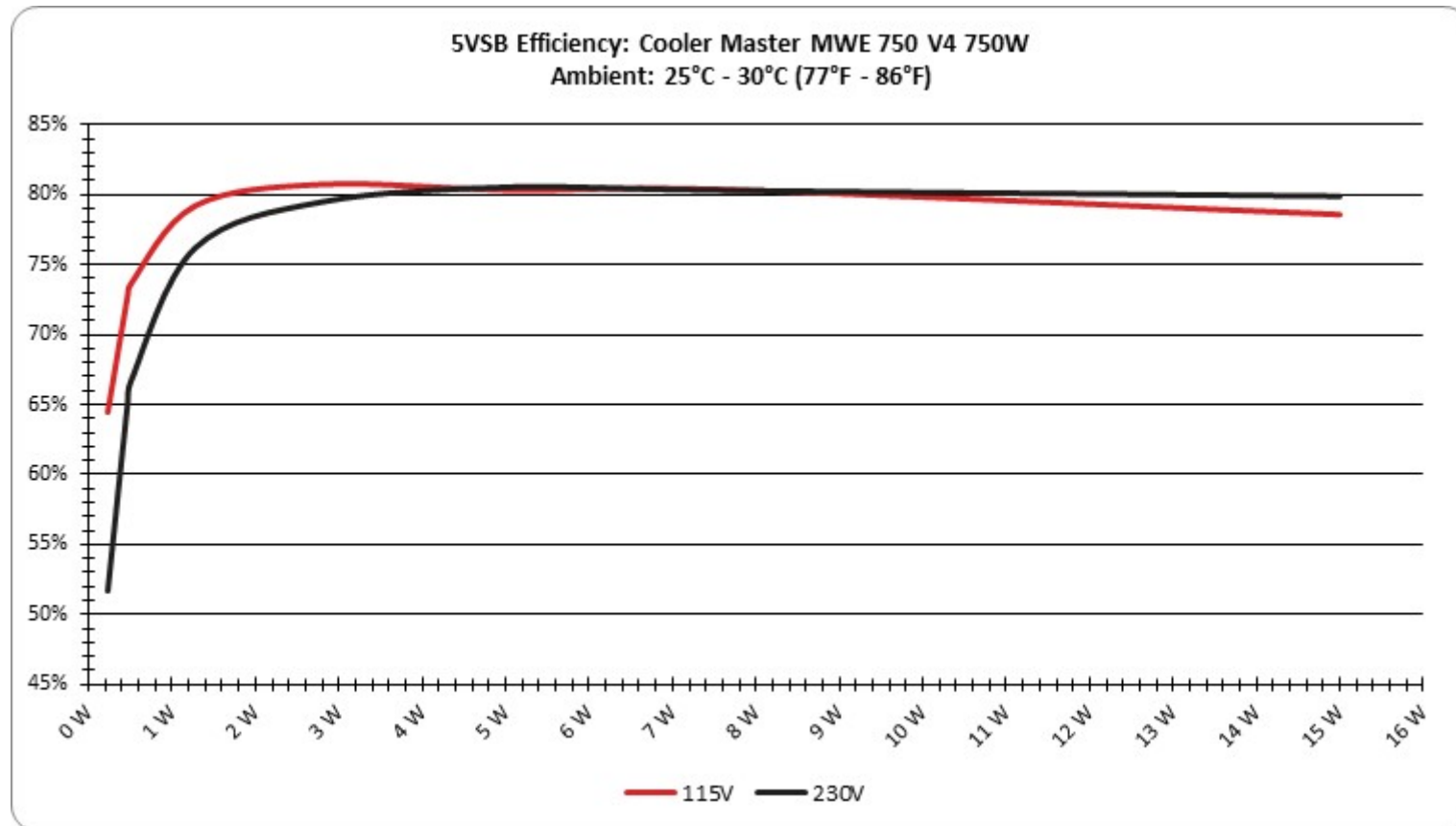
□□□□□□□□



□□

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□□□



□□

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

5Vsb (ErP Lot3/6 & CEC)

115V

| # | 5VSB   | DC/AC (%) |         | PF/AC   |
|---|--------|-----------|---------|---------|
| 1 | 0.045A | 0.231W    | 64.387% | 0.021   |
|   | 5.129V | 0.359W    |         | 114.93V |
| 2 | 0.09A  | 0.462W    | 72.508% | 0.037   |
|   | 5.127V | 0.636W    |         | 114.93V |
| 3 | 0.55A  | 2.81W     | 80.746% | 0.181   |
|   | 5.107V | 3.48W     |         | 114.92V |
| 4 | 1A     | 5.09W     | 80.325% | 0.285   |
|   | 5.088V | 6.336W    |         | 114.92V |
| 5 | 1.5A   | 7.602W    | 80.376% | 0.357   |
|   | 5.066V | 9.458W    |         | 114.93V |
| 6 | 3.001A | 15.006W   | 78.571% | 0.465   |
|   | 5.001V | 19.099W   |         | 114.93V |

230V

| # | 5VSB   | DC/AC (%) |         | PF/AC   |
|---|--------|-----------|---------|---------|
| 1 | 0.045A | 0.231W    | 51.701% | 0.008   |
|   | 5.13V  | 0.447W    |         | 230V    |
| 2 | 0.09A  | 0.462W    | 64.711% | 0.012   |
|   | 5.127V | 0.713W    |         | 230V    |
| 3 | 0.55A  | 2.81W     | 79.443% | 0.06    |
|   | 5.107V | 3.537W    |         | 229.99V |
| 4 | 1A     | 5.09W     | 80.491% | 0.105   |
|   | 5.088V | 6.323W    |         | 229.99V |
| 5 | 1.501A | 7.601W    | 80.255% | 0.151   |
|   | 5.066V | 9.471W    |         | 229.99V |
| 6 | 3.001A | 15.003W   | 79.839% | 0.255   |
|   | 5V     | 18.791W   |         | 229.99V |

## Protection Features

|                                         |                                                                                                                                                                                       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OCP (Normal @ 29.2°C)                   | 12V: 70.900A (113.44%), 11.989V — shut down<br>5V: 24.100A (120.50%), 5.147V — shut down<br>3.3V: 23.800A (119.00%), 3.439V — shut down<br>5VSB: 4.300A (143.33%), 4.869V — shut down |
| OCP (Hot @ 42.9°C)                      | 12V: 70.900A (113.44%), 11.986V — shut down<br>5V: 24.200A (121.00%), 5.166V — shut down<br>3.3V: 23.800A (119.00%), 3.450V — shut down<br>5VSB: 4.300A (143.33%), 4.865V — shut down |
| OVP (per rail)                          | 12V: 13.740V (✓)<br>5V: 5.900V (✓)<br>3.3V: 3.930V (✓)                                                                                                                                |
| OPP (Normal @ 28.5°C)                   | 968.82W (129.18%) — shut down                                                                                                                                                         |
| OPP (Hot @ 42.4°C)                      | 968.81W (129.17%) — shut down                                                                                                                                                         |
| OTP                                     | ✓ (100°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 (Typical Load @ 90V)                | ✓                                                                                                                                                                                     |
| UVP (No Damage @ 80V)                   | ✓                                                                                                                                                                                     |
| Conducted Emissions EN 55032 & CISPR 32 | ✓                                                                                                                                                                                     |
| NLO                                     | ✓                                                                                                                                                                                     |
| Fan Failure Protection                  | ✗                                                                                                                                                                                     |
| SIP                                     | Surge: MOV<br>Inrush: NTC & Bypass Relay                                                                                                                                              |

## Supplementary Tests (For Reference)

10-110%□□□□

115V

| □□   | 12V     | 5V      | 3.3V    | 5VSB   | DC/AC (□ ) | □□      | □□□□ (RPM) | □□□□□□ (dB[A]) | □□ (□□ /□□ ) | PF/AC □□ |
|------|---------|---------|---------|--------|------------|---------|------------|----------------|--------------|----------|
| 10%  | 4.423A  | 1.994A  | 2.003A  | 0.984A | 74.997     | 81.314% | 598        | 6.9            | 40.01°C      | 0.933    |
|      | 12.073V | 5.017V  | 3.295V  | 5.083V | 92.231     |         |            |                | 41.11°C      | 114.96V  |
| 20%  | 9.869A  | 2.99A   | 3.003A  | 1.184A | 149.941    | 88.733% | 594        | 6.9            | 40.98°C      | 0.96     |
|      | 12.062V | 5.017V  | 3.297V  | 5.069V | 168.98     |         |            |                | 42.67°C      | 114.94V  |
| 30%  | 15.671A | 3.489A  | 3.505A  | 1.385A | 224.944    | 90.085% | 801        | 12.6           | 41.3°C       | 0.986    |
|      | 12.054V | 5.016V  | 3.295V  | 5.056V | 249.702    |         |            |                | 43.79°C      | 114.93V  |
| 40%  | 21.485A | 3.989A  | 4.007A  | 1.587A | 300.029    | 90.584% | 799        | 12.6           | 41.9°C       | 0.995    |
|      | 12.047V | 5.015V  | 3.294V  | 5.042V | 331.218    |         |            |                | 43.08°C      | 114.91V  |
| 50%  | 26.914A | 4.984A  | 5.006A  | 1.79A  | 374.526    | 90.654% | 907        | 16.5           | 42.68°C      | 0.998    |
|      | 12.039V | 5.017V  | 3.296V  | 5.028V | 413.136    |         |            |                | 44.79°C      | 114.89V  |
| 60%  | 32.386A | 5.98A   | 6.005A  | 1.995A | 449.461    | 90.564% | 1138       | 23.8           | 42.55°C      | 0.998    |
|      | 12.031V | 5.018V  | 3.298V  | 5.014V | 496.292    |         |            |                | 44.87°C      | 114.87V  |
| 70%  | 37.876A | 6.98A   | 7.005A  | 2.2A   | 524.414    | 89.803% | 1768       | 36.6           | 43.4°C       | 0.998    |
|      | 12.021V | 5.016V  | 3.298V  | 5V     | 583.96     |         |            |                | 45.35°C      | 114.84V  |
| 80%  | 43.430A | 7.969A  | 8A      | 2.305A | 599.629    | 89.485% | 1771       | 37.0           | 43.98°C      | 0.999    |
|      | 12.013V | 5.019V  | 3.3V    | 4.989V | 670.089    |         |            |                | 49.58°C      | 114.81V  |
| 90%  | 49.322A | 8.473A  | 8.49A   | 2.41A  | 674.638    | 89.075% | 2137       | 42.3           | 43.7°C       | 0.998    |
|      | 12.006V | 5.016V  | 3.298V  | 4.98V  | 757.381    |         |            |                | 48.24°C      | 114.79V  |
| 100% | 55.012A | 8.975A  | 9.011A  | 3.033A | 749.793    | 88.66%  | 2146       | 42.8           | 44.97°C      | 0.999    |
|      | 11.999V | 5.013V  | 3.295V  | 4.947V | 845.803    |         |            |                | 49.82°C      | 114.77V  |
| 110% | 60.574A | 9.975A  | 10.1A   | 3.036A | 824.796    | 88.09%  | 2462       | 47.3           | 45.15°C      | 0.999    |
|      | 11.993V | 5.012V  | 3.297V  | 4.942V | 936.067    |         |            |                | 48.81°C      | 114.75V  |
| CL1  | 0.116A  | 14.227A | 14.188A | 0A     | 121.285    | 83.499% | 779        | 11.5           | 40.89°C      | 0.954    |
|      | 12.066V | 5.075V  | 3.361V  | 5.116V | 145.252    |         |            |                | 45.36°C      | 114.94V  |

|            |                |               |                |           |         |         |      |      |         |         |
|------------|----------------|---------------|----------------|-----------|---------|---------|------|------|---------|---------|
| <b>CL2</b> | <b>0.115A</b>  | <b>19.48A</b> | <b>0A</b>      | <b>0A</b> | 101.39  | 81.919% | 778  | 11.5 | 40.56°C | 0.949   |
|            | 12.072V        | 5.133V        | 3.266V         | 5.122V    | 123.768 |         |      |      | 44.64°C | 114.94V |
| <b>CL3</b> | <b>0.116A</b>  | <b>0A</b>     | <b>19.288A</b> | <b>0A</b> | 67.406  | 73.983% | 777  | 11.5 | 40.79°C | 0.933   |
|            | 12.073V        | 4.987V        | 3.421V         | 5.12V     | 91.11   |         |      |      | 43.38°C | 114.94V |
| <b>CL4</b> | <b>62.495A</b> | <b>0A</b>     | <b>0.001A</b>  | <b>0A</b> | 749.692 | 89.316% | 2081 | 42.7 | 45.18°C | 0.999   |
|            | 11.996V        | 4.977V        | 3.253V         | 5.092V    | 839.373 |         |      |      | 51.25°C | 114.76V |

The results above are not used in the certification process

230V

| □□          | 12V            | 5V            | 3.3V          | 5VSB          | DC/AC (□ ) | □□      | □□□ (RPM) | □□□□□ (dB[A]) | □□ (□□ /□□ ) | PF/AC □□ |
|-------------|----------------|---------------|---------------|---------------|------------|---------|-----------|---------------|--------------|----------|
| <b>10%</b>  | <b>4.424A</b>  | <b>1.994A</b> | <b>2.004A</b> | <b>0.984A</b> | 75.007     | 82.857% | 777       | 11.5          | 40.45°C      | 0.724    |
|             | 12.073V        | 5.017V        | 3.295V        | 5.082V        | 90.526     |         |           |               | 44.48°C      | 230.02V  |
| <b>20%</b>  | <b>9.871A</b>  | <b>2.99A</b>  | <b>3.004A</b> | <b>1.184A</b> | 149.962    | 90.778% | 777       | 11.5          | 40.99°C      | 0.863    |
|             | 12.061V        | 5.018V        | 3.296V        | 5.068V        | 165.195    |         |           |               | 44.65°C      | 230.03V  |
| <b>30%</b>  | <b>15.673A</b> | <b>3.49A</b>  | <b>3.506A</b> | <b>1.385A</b> | 224.962    | 92.298% | 800       | 12.6          | 41.17°C      | 0.919    |
|             | 12.053V        | 5.016V        | 3.295V        | 5.055V        | 243.736    |         |           |               | 44.48°C      | 230.04V  |
| <b>40%</b>  | <b>21.487A</b> | <b>3.988A</b> | <b>4.007A</b> | <b>1.587A</b> | 300.044    | 92.888% | 801       | 12.6          | 41.71°C      | 0.945    |
|             | 12.046V        | 5.016V        | 3.294V        | 5.042V        | 323.018    |         |           |               | 45.92°C      | 230.05V  |
| <b>50%</b>  | <b>26.918A</b> | <b>4.984A</b> | <b>5.007A</b> | <b>1.791A</b> | 374.559    | 93.075% | 906       | 16.5          | 42.23°C      | 0.964    |
|             | 12.039V        | 5.017V        | 3.296V        | 5.027V        | 402.427    |         |           |               | 46.73°C      | 230.04V  |
| <b>60%</b>  | <b>32.388A</b> | <b>5.981A</b> | <b>6.007A</b> | <b>1.995A</b> | 449.479    | 93.039% | 1139      | 23.8          | 42.77°C      | 0.973    |
|             | 12.031V        | 5.017V        | 3.297V        | 5.013V        | 483.107    |         |           |               | 46.94°C      | 230.04V  |
| <b>70%</b>  | <b>37.867A</b> | <b>6.977A</b> | <b>7.006A</b> | <b>2.201A</b> | 524.413    | 92.831% | 1768      | 36.6          | 43.24°C      | 0.981    |
|             | 12.024V        | 5.018V        | 3.297V        | 4.999V        | 564.914    |         |           |               | 47.25°C      | 230.03V  |
| <b>80%</b>  | <b>43.430A</b> | <b>7.971A</b> | <b>8.003A</b> | <b>2.305A</b> | 599.605    | 92.241% | 1767      | 36.6          | 43.67°C      | 0.985    |
|             | 12.013V        | 5.018V        | 3.298V        | 4.99V         | 650.045    |         |           |               | 47.4°C       | 230.03V  |
| <b>90%</b>  | <b>49.322A</b> | <b>8.474A</b> | <b>8.493A</b> | <b>2.41A</b>  | 674.619    | 92.067% | 2136      | 42.3          | 44.08°C      | 0.989    |
|             | 12.006V        | 5.016V        | 3.296V        | 4.981V        | 732.749    |         |           |               | 47.18°C      | 230.02V  |
| <b>100%</b> | <b>55.027A</b> | <b>8.972A</b> | <b>9.01A</b>  | <b>3.033A</b> | 749.847    | 91.751% | 2140      | 42.3          | 45.29°C      | 0.991    |
|             | 11.997V        | 5.015V        | 3.296V        | 4.946V        | 817.26     |         |           |               | 49.67°C      | 230.01V  |

|             |                |                |                |               |         |         |      |      |         |         |
|-------------|----------------|----------------|----------------|---------------|---------|---------|------|------|---------|---------|
| <b>110%</b> | <b>60.608A</b> | <b>9.968A</b>  | <b>10.097A</b> | <b>3.036A</b> | 824.883 | 91.466% | 2137 | 42.3 | 46.07°C | 0.993   |
|             | 11.988V        | 5.016V         | 3.297V         | 4.941V        | 901.843 |         |      |      | 49.8°C  | 229.99V |
| <b>CL1</b>  | <b>0.116A</b>  | <b>14.224A</b> | <b>14.187A</b> | <b>0A</b>     | 121.286 | 85.232% | 780  | 11.5 | 40.89°C | 0.838   |
|             | 12.066V        | 5.076V         | 3.362V         | 5.116V        | 142.301 |         |      |      | 46.93°C | 230.09V |
| <b>CL2</b>  | <b>0.115A</b>  | <b>19.483A</b> | <b>0A</b>      | <b>0A</b>     | 101.389 | 83.766% | 777  | 11.5 | 40.51°C | 0.801   |
|             | 12.071V        | 5.133V         | 3.266V         | 5.122V        | 121.039 |         |      |      | 45.06°C | 230.09V |
| <b>CL3</b>  | <b>0.116A</b>  | <b>0A</b>      | <b>19.292A</b> | <b>0A</b>     | 67.405  | 75.521% | 777  | 11.5 | 41.17°C | 0.72    |
|             | 12.073V        | 4.988V         | 3.421V         | 5.121V        | 89.253  |         |      |      | 45.27°C | 230.09V |
| <b>CL4</b>  | <b>62.494A</b> | <b>0A</b>      | <b>0.001A</b>  | <b>0A</b>     | 749.654 | 92.506% | 2136 | 42.3 | 45.47°C | 0.991   |
|             | 11.996V        | 4.977V         | 3.253V         | 5.092V        | 810.38  |         |      |      | 47.49°C | 230.02V |

The results above are not used in the certification process

20-80

| 115V       |               |               |               |               |           |         |       |         |         |         |
|------------|---------------|---------------|---------------|---------------|-----------|---------|-------|---------|---------|---------|
|            | 12V           | 5V            | 3.3V          | 5VSB          | DC/AC ( ) |         | (RPM) | (dB[A]) | ( / )   | PF/AC   |
| <b>20W</b> | <b>1.229A</b> | <b>0.499A</b> | <b>0.501A</b> | <b>0.195A</b> | 19.998    | 68.443% | 0     | <6.0    | 46.22°C | 0.761   |
|            | 12.080V       | 5.01V         | 3.29V         | 5.122V        | 29.218    |         |       |         | 36.21°C | 114.97V |
| <b>40W</b> | <b>2.706A</b> | <b>0.699A</b> | <b>0.702A</b> | <b>0.293A</b> | 39.996    | 77.697% | 0     | <6.0    | 49.76°C | 0.877   |
|            | 12.078V       | 5.01V         | 3.29V         | 5.116V        | 51.476    |         |       |         | 37.05°C | 114.97V |
| <b>60W</b> | <b>4.184A</b> | <b>0.898A</b> | <b>0.902A</b> | <b>0.391A</b> | 59.994    | 80.838% | 0     | <6.0    | 53.31°C | 0.915   |
|            | 12.075V       | 5.01V         | 3.291V        | 5.111V        | 74.214    |         |       |         | 38.88°C | 114.97V |
| <b>80W</b> | <b>5.660A</b> | <b>1.098A</b> | <b>1.104A</b> | <b>0.49A</b>  | 79.944    | 85.456% | 492   | 7.1     | 39.96°C | 0.933   |
|            | 12.071V       | 5.01V         | 3.288V        | 5.105V        | 93.55     |         |       |         | 41.68°C | 114.96V |

The results above are not used in the certification process

230V

| 項目  | 12V     | 5V     | 3.3V  | 5VSB   | DC/AC (項目) | 項目      | 項目 (RPM) | 項目 (dB[A]) | 項目 (項目 /項目 ) | PF/AC 項目 |
|-----|---------|--------|-------|--------|------------|---------|----------|------------|--------------|----------|
| 20W | 1.240A  | 0.5A   | 0.5A  | 0.2A   | 20.158     | 69.945% | 0        | <6.0       | 45.83℃       | 0.378    |
|     | 12.080V | 5.013V | 3.29V | 5.122V | 28.82      |         |          |            | 36.06℃       | 230.07V  |
| 40W | 2.720A  | 0.7A   | 0.7A  | 0.3A   | 40.199     | 79.146% | 0        | <6.0       | 46.3℃        | 0.542    |
|     | 12.078V | 5.014V | 3.29V | 5.116V | 50.791     |         |          |            | 37.13℃       | 230.08V  |
| 61W | 4.224A  | 0.9A   | 0.9A  | 0.4A   | 60.518     | 82.074% | 283      | <6.0       | 38.72℃       | 0.661    |
|     | 12.075V | 5.012V | 3.29V | 5.11V  | 73.735     |         |          |            | 41.83℃       | 230.09V  |
| 81W | 5.704A  | 1.1A   | 1.1A  | 0.5A   | 80.54      | 83.616% | 776      | 11.5       | 39.09℃       | 0.742    |
|     | 12.072V | 5.012V | 3.29V | 5.105V | 96.321     |         |          |            | 43.86℃       | 230.1V   |

The results above are not used in the certification process

項目

115V

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| 10% Load   | 52.77mV | 16.07mV | 14.40mV | 17.42mV | Pass      |
| 20% Load   | 15.88mV | 13.98mV | 11.44mV | 18.70mV | Pass      |
| 30% Load   | 15.93mV | 15.61mV | 12.21mV | 19.71mV | Pass      |
| 40% Load   | 17.04mV | 17.50mV | 13.63mV | 20.33mV | Pass      |
| 50% Load   | 20.46mV | 16.58mV | 14.55mV | 19.82mV | Pass      |
| 60% Load   | 22.54mV | 16.43mV | 15.16mV | 19.61mV | Pass      |
| 70% Load   | 22.90mV | 19.39mV | 18.51mV | 20.63mV | Pass      |
| 80% Load   | 26.41mV | 18.67mV | 20.19mV | 20.48mV | Pass      |
| 90% Load   | 27.99mV | 39.84mV | 25.64mV | 22.57mV | Pass      |
| 100% Load  | 29.15mV | 20.66mV | 22.74mV | 21.40mV | Pass      |
| 110% Load  | 32.62mV | 21.88mV | 24.56mV | 22.16mV | Pass      |
| Crossload1 | 14.91mV | 14.44mV | 16.02mV | 17.17mV | Pass      |
| Crossload2 | 14.40mV | 14.54mV | 11.65mV | 17.32mV | Pass      |

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| Crossload3 | 32.06mV | 14.08mV | 19.58mV | 18.49mV | Pass      |
| Crossload4 | 30.99mV | 18.92mV | 18.87mV | 22.77mV | Pass      |

The results above are not used in the certification process

## 230V

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| 10% Load   | 14.83mV | 13.42mV | 13.99mV | 17.32mV | Pass      |
| 20% Load   | 15.16mV | 12.70mV | 11.49mV | 17.83mV | Pass      |
| 30% Load   | 16.53mV | 15.10mV | 12.10mV | 19.71mV | Pass      |
| 40% Load   | 17.66mV | 16.22mV | 13.17mV | 19.26mV | Pass      |
| 50% Load   | 20.25mV | 16.22mV | 13.79mV | 19.82mV | Pass      |
| 60% Load   | 23.51mV | 20.55mV | 21.51mV | 19.31mV | Pass      |
| 70% Load   | 26.36mV | 17.44mV | 15.97mV | 19.41mV | Pass      |
| 80% Load   | 24.47mV | 18.00mV | 21.97mV | 20.07mV | Pass      |
| 90% Load   | 30.55mV | 17.99mV | 22.97mV | 32.45mV | Pass      |
| 100% Load  | 31.45mV | 20.40mV | 23.91mV | 21.96mV | Pass      |
| 110% Load  | 33.48mV | 22.09mV | 24.87mV | 22.62mV | Pass      |
| Crossload1 | 15.21mV | 14.18mV | 18.31mV | 17.27mV | Pass      |
| Crossload2 | 16.13mV | 14.03mV | 13.53mV | 16.61mV | Pass      |
| Crossload3 | 32.01mV | 12.70mV | 19.22mV | 17.32mV | Pass      |
| Crossload4 | 29.72mV | 18.57mV | 18.01mV | 22.32mV | Pass      |

The results above are not used in the certification process

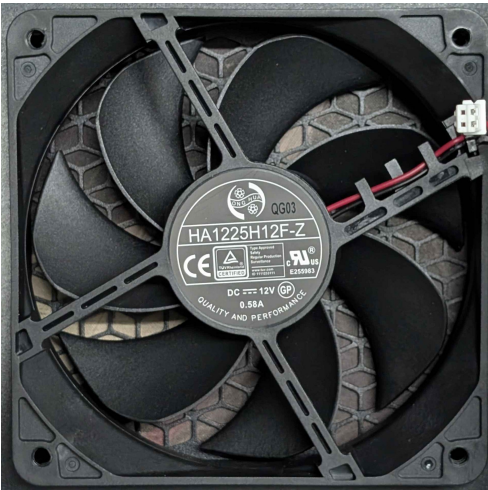
Cooler Master MWE Gold 750 V4



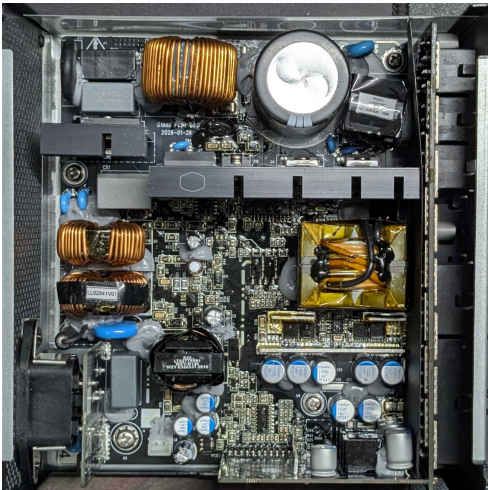
Top side



Power specifications label



Fan



PSU Internals

|||||

Cybenetics||||

Cybenetics |||||

ETA|||||

LAMBDA|||||

SAFE

DELTA|||||

PHI|||||

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com