



Make It Yours.

Cooler Master XG 850

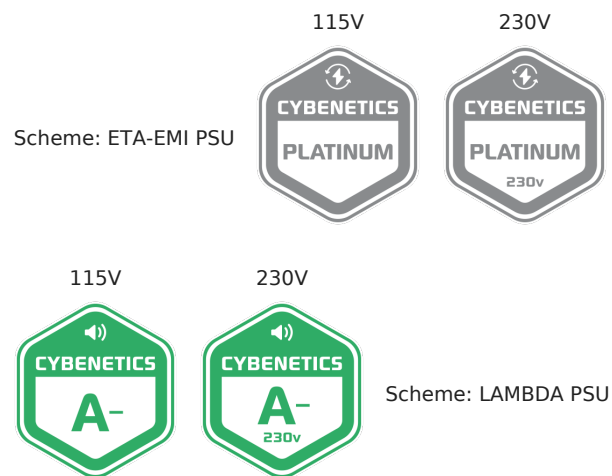
Serial Number

Lab ID CM85001888

Certification ID 251888

Test Result Report ID: 21PS1888A

Certificate Issue Date: Aug 30, 2021



A handwritten signature in blue ink, appearing to read "A. Bitziopoulos", is positioned above the name of the Certification Body General Manager.

Aristeidis Bitziopoulos, Certification Body General Manager

General Information

Test Equipment

Electronic Loads	Chroma 63601-5 x2 Chroma 63600-2 Chroma 63640-80-80 x10 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	XG 850
OEM/ODM	Huizhou Xin Hui Yuan Tech (Fusion Power)
Serial Number	
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12-6
Rated Frequency (Hz)	50-60

Rated Power (W)	850
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	140mm Fluid Dynamic Bearing Fan (DWPH EFC-14E12D)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	CM85001888
Date of receipt	Aug 3, 2021
Testing Date	Aug 30, 2021
Report Issued Date	Aug 30, 2021
Engineer Name	-
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Modular Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (650mm)	1	1	18AWG	No
4+4 pin EPS12V (650mm)	1	1	18AWG	No
8 pin EPS12V (650mm)	1	1	18AWG	No
6+2 pin PCIe (550mm+125mm)	3	6	16-18AWG	No
SATA (500mm+125mm+125mm+125mm)	3	12	18AWG	No
4 pin Molex (500mm+125mm+125mm+125mm)	1	4	18AWG	No

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	20	20	70.8	3	0.3
	Watts	100		849.6	15	3.6
Total Max. Power (W)		850				

Parts Description

General Data	
Manufacturer (OEM)	Huizhou Xin Hui Yuan Tech (Fusion Power)
PCB Type	Double Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF72-5D15 (5 Ohm) & Relay
Bridge Rectifier(s)	2x MCC GBU15KL (800V, 15A @ 100°C)
APFC MOSFETs	2x NCE Power NCE65TF099 (650V, 24A @ 100°C, Rds(on): 0.109Ohm)
APFC Boost Diode	1x CDP0865G1
Bulk Cap(s)	1x TK (450V, 680uF, 2,000h @ 105°C, LGW)
Main Switchers	4x NCE Power NCE65TF130 (650V, 18A @ 100°C, Rds(on): 0.130Ohm)
Digital Controllers	Champion CM6500UNX
MCU	Champion CM6901T6X
Topology	Primary side: APFC, Full-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	4x Infineon BSC010N04LS (40V, 178A @ 100°C, Rds(on): 1mOhm)
5V & 3.3V	DC-DC Converters: 2x Excelliance MOS EMB04N03A (30V, 55A @ 100°C, Rds(on): 4mOhm) & 2x Excelliance MOS EMB07N03 (30V, 17A @ 100°C, Rds(on): 7mOhm) PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic: 2x Nippon Chemi-Con (105°C, W), 4x Nippon Chemi-Con (2-5,000h @ 105°C, KZE), 8x Nippon Chemi-Con (4-10,000h @ 105°C, KY), 2x Nippon Chemi-Con (5-6,000h @ 105°C, KZH) Polymer: 23x FPCAP
Supervisor IC	IN1S313I-SAG
Fan Model	DWPH EFC-14E12D (140mm, 12V, 0.80A, Fluid Dynamic Bearing Fan)
5VSB Circuit	

Rectifier	1x 45R10C SBR
Standby PWM Controller	Excelliance MOS EM8569C

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	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	90.187%
Average Noise Output (>1450 Load Combinations)	26.43dBA
Average PF (>1450 Load Combinations)	0.983
Efficiency With 10W ($\leq$ 500W) or 2% (>500W) Load	69.752%
Standby Power Consumption	0.0477W
Non-Accredited	
12V Ripple (Full Load)	27.19mV
5V Ripple (Full Load)	15.77mV
3.3V Ripple (Full Load)	16.58mV
5VSB Ripple (Full Load)	20.24mV
12V Load Regulation	0.13%
5V Load Regulation	0.36%
3.3V Load Regulation	0.39%
5VSB Load Regulation	2.65%
Inrush Current	68.620A

230V

Accredited		
Average Efficiency (>1450 load combinations)	91.887%	
Average Noise Output (>1450 Load Combinations)	27.01dBA	
Average PF (>1450 Load Combinations)	0.941	
Efficiency With 10W (≤500W) or 2% (>500W) Load	-	
Standby Power Consumption	0.0868W	
Non-Accredited		
12V Ripple (Full Load)	25.42mV	
5V Ripple (Full Load)	14.82mV	
3.3V Ripple (Full Load)	15.25mV	
5VSB Ripple (Full Load)	15.37mV	
12V Load Regulation	0.14%	
5V Load Regulation	0.34%	
3.3V Load Regulation	0.42%	
5VSB Load Regulation	2.63%	
Inrush Current	77.820A	
Hold-Up Time & PWR_OK Signal	26.10ms	
AC Loss to PWR_OK Hold Up Time	22.00ms	
PWR_OK Inactive to DC Loss Delay	4.10ms	
PSU Timings: T1 (20% / 100%)	49.0ms	49.0ms
PSU Timings: T3 (20% / 100%)	130.0ms	130.0ms
OPP (21.29°C / 42.22°C)	132.96%	121.19%

Hold-Up Time & PWR_OK Signal

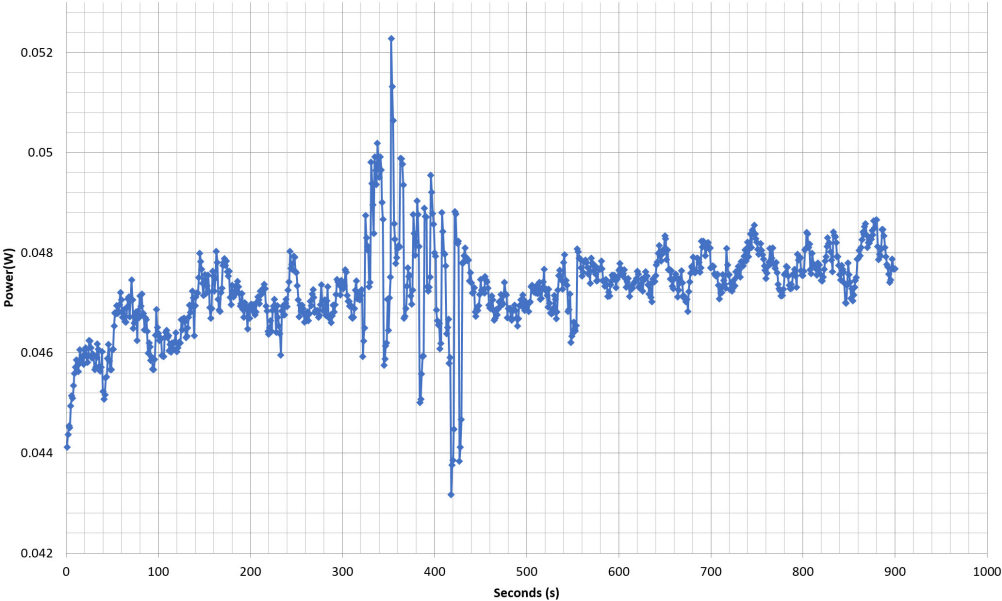
Hold-Up Time (ms)	26.1
AC Loss to PWR_OK Hold Up Time (ms)	22
PWR_OK Inactive to DC Loss Delay (ms)	4.1

Vampire Power

Graphs

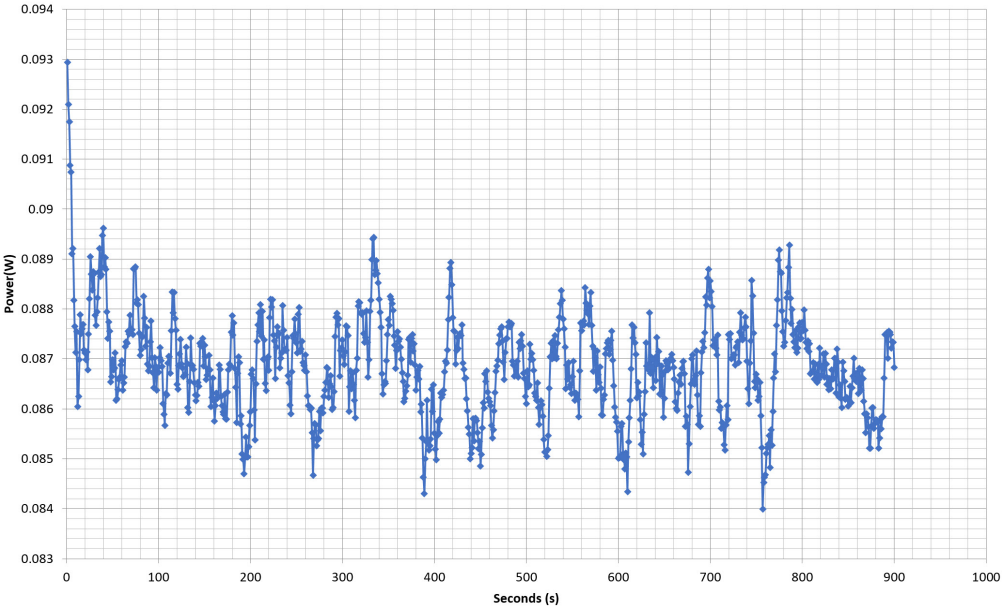
115V

Power - 23/08/2021 - 14:55



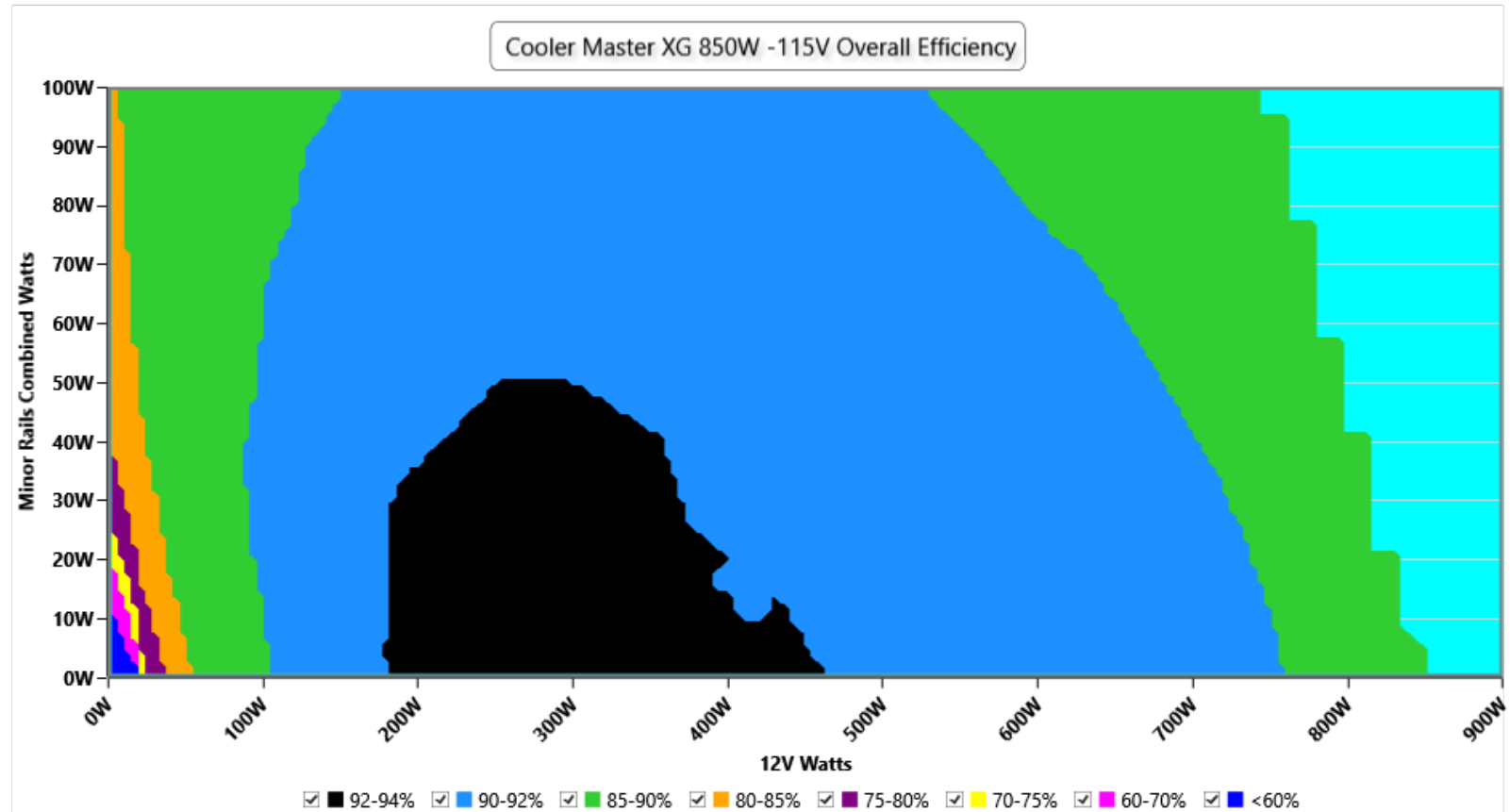
230V

Power - 23/08/2021 - 14:55



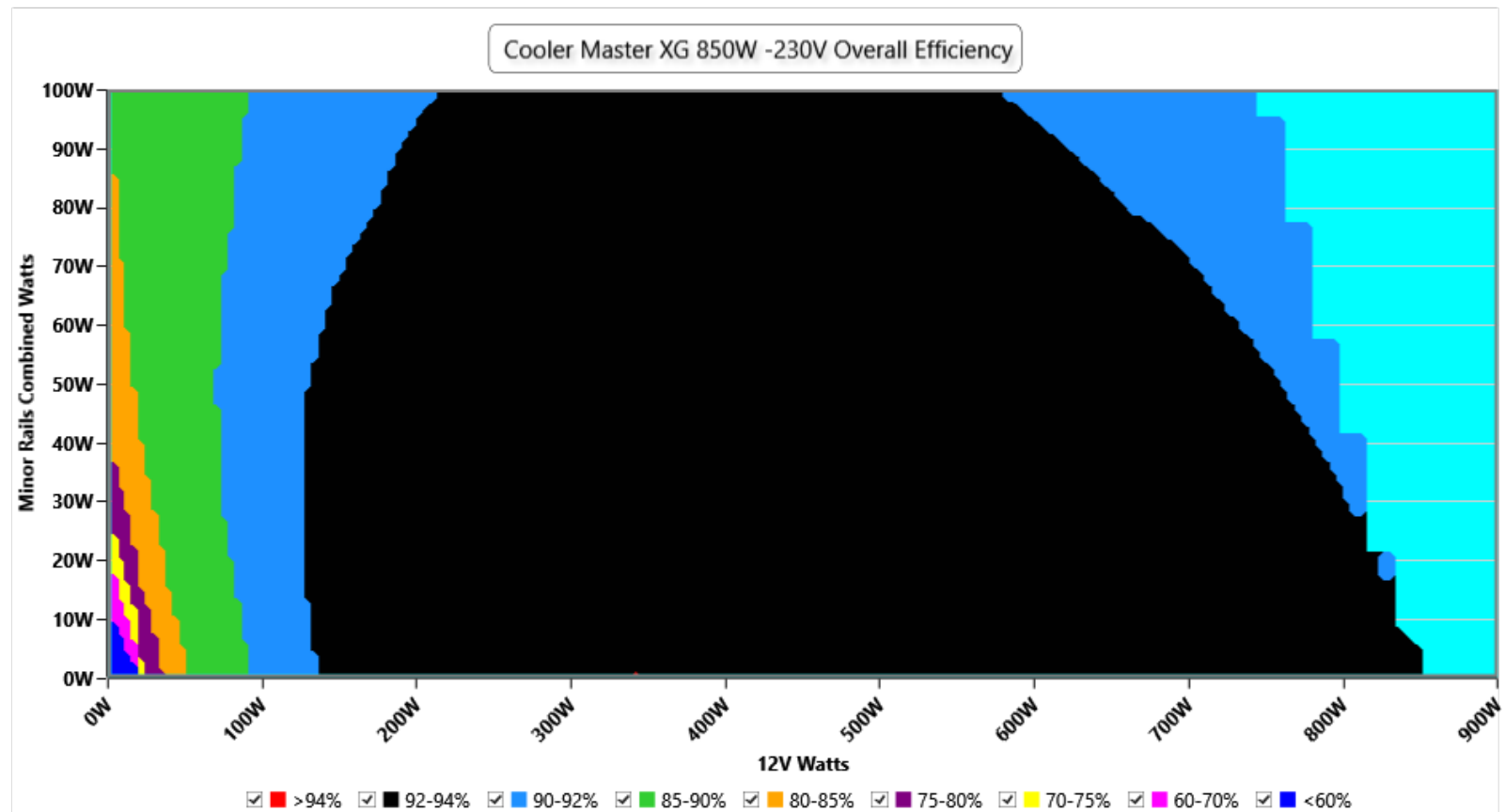
Efficiency Graph

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

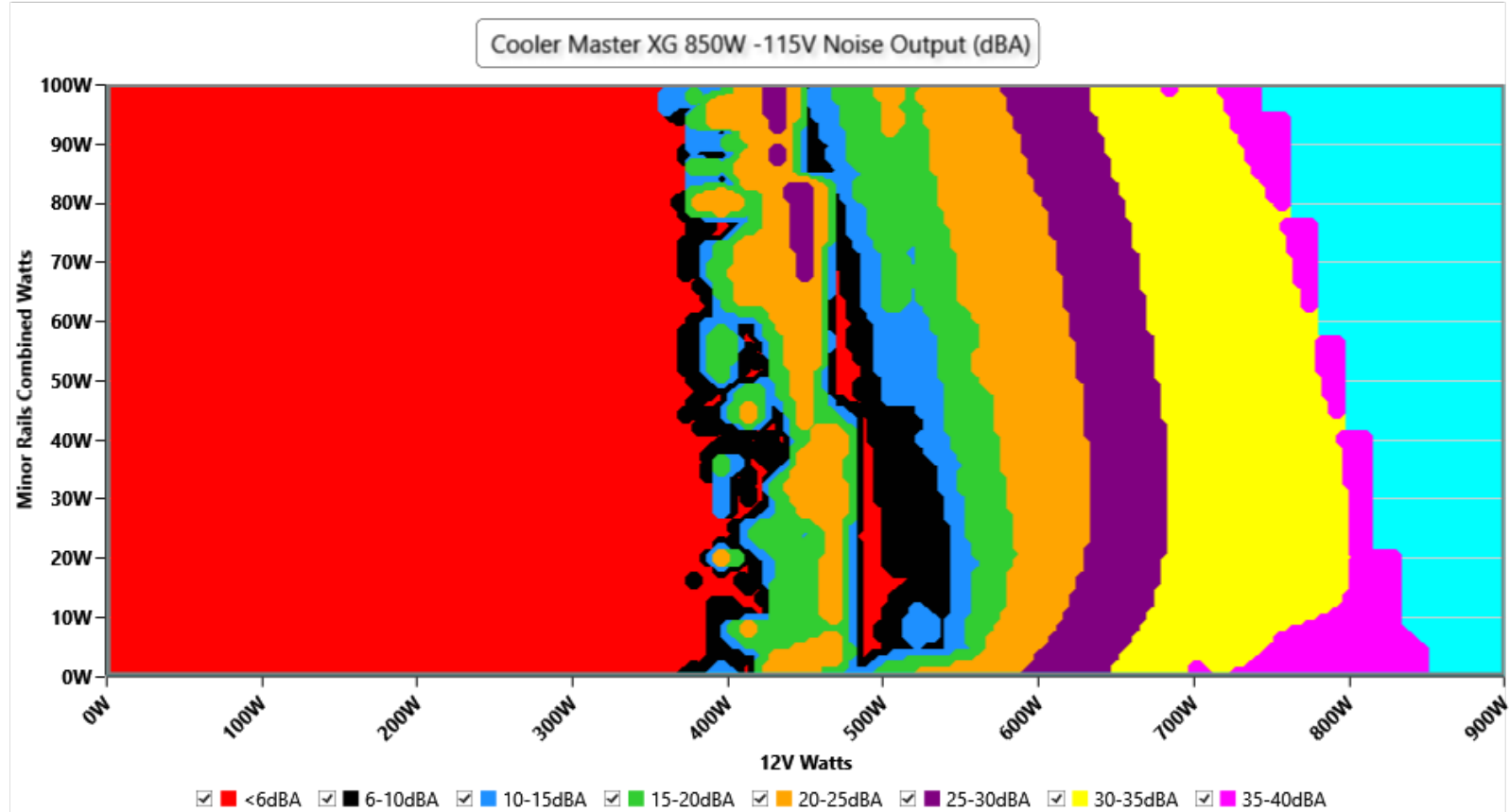


INFO

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

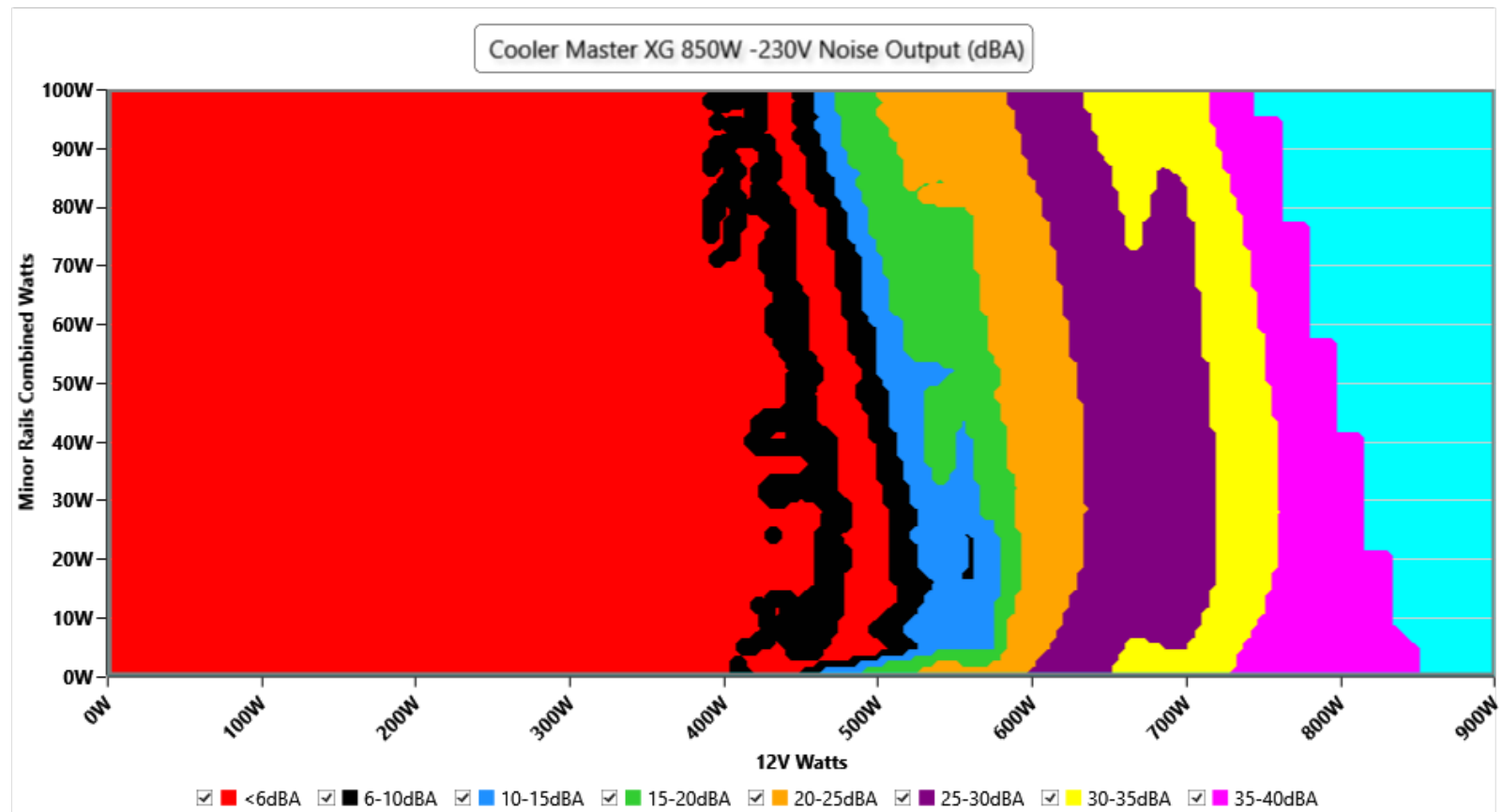
Noise Graph

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



INFO

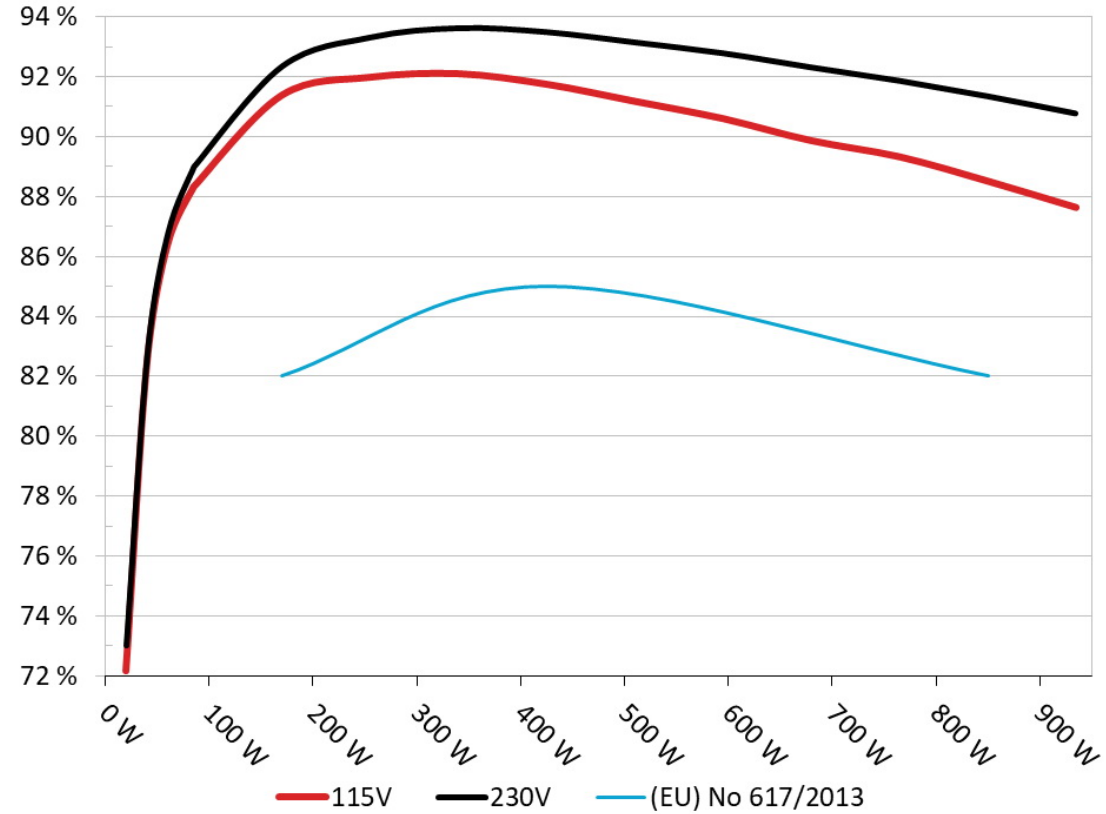
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: Cooler Master XG 850W

Ambient: 37°C - 47°C (98.6°F - 116.6°F)



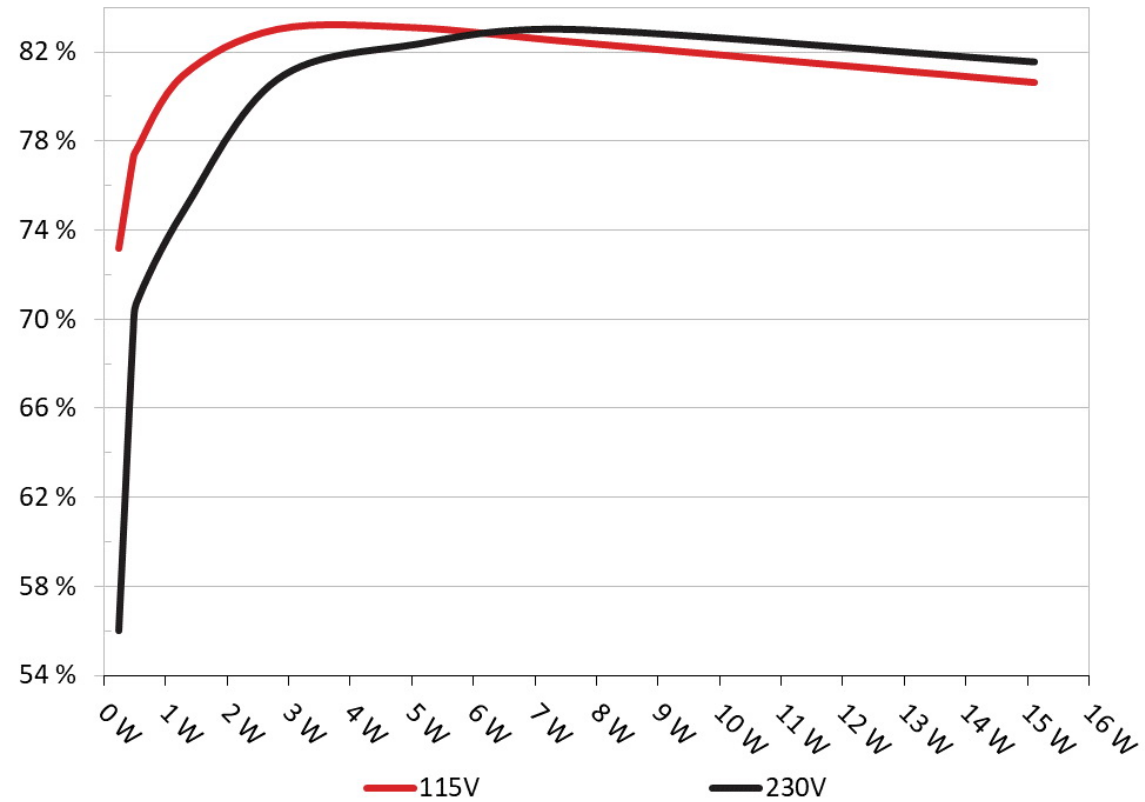
INFO

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

5VSB Efficiency: Cooler Master XG 850W

Ambient: 34°C - 36°C (93.2°F - 96.8°F)



INFO

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

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

115V

5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts	
1	0.045A	0.23W	73.155%	0.051
	5.117V	0.314W		115.15V
2	0.09A	0.46W	77.157%	0.094
	5.115V	0.596W		115.14V
3	0.55A	2.806W	83.023%	0.325
	5.103V	3.38W		115.14V
4	1A	5.09W	83.088%	0.4
	5.091V	6.127W		115.14V
5	1.5A	7.617W	82.451%	0.44
	5.078V	9.238W		115.14V
6	2.999A	15.113W	80.627%	0.492
	5.039V	18.744W		115.14V

230V

5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts	
1	0.045A	0.23W	56.035%	0.02
	5.116V	0.411W		230.28V
2	0.09A	0.46W	69.29%	0.032
	5.115V	0.664W		230.28V
3	0.55A	2.806W	80.778%	0.152
	5.102V	3.474W		230.28V
4	1A	5.09W	82.37%	0.231
	5.091V	6.179W		230.28V
5	1.5A	7.617W	83.022%	0.288
	5.078V	9.175W		230.29V
6	2.999A	15.114W	81.567%	0.375
	5.039V	18.53W		230.29V

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%	5.270A	1.976A	1.982A	0.982A	85	88.291%	0	<6.0	44.65°C	0.963
	12.029V	5.06V	3.33V	5.09V	96.272				39.65°C	115.17V
20%	11.559A	2.965A	2.975A	1.181A	169.927	91.363%	0	<6.0	45.82°C	0.986
	12.028V	5.059V	3.328V	5.079V	185.992				40.3°C	115.17V
30%	18.200A	3.461A	3.472A	1.381A	254.927	91.964%	0	<6.0	46.87°C	0.991
	12.027V	5.057V	3.327V	5.069V	277.204				40.87°C	115.16V
40%	24.848A	3.957A	3.969A	1.582A	340.005	92.081%	0	<6.0	47.88°C	0.987
	12.025V	5.055V	3.326V	5.058V	369.244				41.38°C	115.16V
50%	31.141A	4.948A	4.964A	1.783A	424.92	91.731%	0	<6.0	48.56°C	0.985
	12.024V	5.053V	3.324V	5.047V	463.222				41.56°C	115.16V
60%	37.400A	5.94A	5.961A	1.986A	509.441	91.164%	559	12.8	41.85°C	0.986
	12.022V	5.051V	3.322V	5.035V	558.818				49.38°C	115.16V
70%	43.729A	6.933A	6.991A	2.189A	594.756	90.583%	927	29.1	42.28°C	0.987
	12.021V	5.049V	3.305V	5.024V	656.588				50.13°C	115.15V
80%	50.062A	7.928A	8.107A	2.293A	679.575	89.849%	1207	36.8	43.72°C	0.988
	12.019V	5.047V	3.256V	5.014V	756.351				52.12°C	115.15V
90%	56.795A	8.421A	8.436A	2.397A	764.985	89.307%	1495	42.3	43.9°C	0.989
	12.017V	5.047V	3.319V	5.006V	856.585				53.02°C	115.13V
100%	63.266A	8.921A	8.952A	3.009A	849.82	88.494%	1592	44.1	44.68°C	0.991
	12.015V	5.045V	3.317V	4.983V	960.314				54.88°C	115.13V
110%	69.603A	9.915A	10.042A	3.013A	934.406	87.621%	1603	44.2	46.79°C	0.992
	12.013V	5.043V	3.316V	4.977V	1066.423				57.55°C	115.13V
CL1	0.116A	11.917A	11.946A	0A	101.287	84.05%	0	<6.0	49.25°C	0.973
	12.030V	5.052V	3.323V	5.108V	120.511				42.01°C	115.18V

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	19.812A	0A	0A	101.395	80.819%	0	<6.0	51.26°C	0.974
	12.032V	5.048V	3.32V	5.112V	125.466				43.12°C	115.18V
CL3	0.114A	0A	19.871A	0A	67.377	76.674%	0	<6.0	53.52°C	0.955
	12.030V	5.042V	3.321V	5.11V	87.875				44.52°C	115.18V
CL4	70.698A	0A	0A	0A	849.562	89.365%	1235	37.6	45.02°C	0.991
	12.017V	5.049V	3.321V	5.07V	950.666				55.29°C	115.13V

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%	5.270A	1.977A	1.982A	0.982A	84.997	88.932%	0	<6.0	45.83°C	0.767
	12.029V	5.059V	3.33V	5.09V	95.576				40.33°C	230.33V
20%	11.558A	2.966A	2.974A	1.181A	169.926	92.341%	0	<6.0	46.72°C	0.903
	12.028V	5.058V	3.328V	5.079V	184.021				40.88°C	230.33V
30%	18.200A	3.461A	3.471A	1.381A	254.924	93.308%	0	<6.0	48.21°C	0.945
	12.026V	5.057V	3.327V	5.068V	273.208				41.77°C	230.32V
40%	24.849A	3.957A	3.969A	1.582A	340.002	93.621%	0	<6.0	49.06°C	0.962
	12.025V	5.055V	3.326V	5.058V	363.168				42.28°C	230.32V
50%	31.136A	4.949A	4.963A	1.783A	424.849	93.486%	0	<6.0	49.86°C	0.97
	12.023V	5.052V	3.325V	5.047V	454.454				42.56°C	230.32V
60%	37.399A	5.939A	5.958A	1.986A	509.402	93.145%	548	12.2	42.78°C	0.974
	12.022V	5.052V	3.323V	5.035V	546.894				50.84°C	230.32V
70%	43.727A	6.932A	6.955A	2.189A	594.706	92.782%	939	29.6	43.34°C	0.976
	12.020V	5.05V	3.322V	5.023V	640.973				51.95°C	230.31V
80%	50.058A	7.925A	7.949A	2.293A	679.524	92.309%	1180	36.1	43.85°C	0.979
	12.018V	5.048V	3.32V	5.014V	736.138				52.81°C	230.31V
90%	56.794A	8.421A	8.434A	2.396A	764.942	91.859%	1440	41.3	44.74°C	0.98
	12.016V	5.047V	3.319V	5.006V	832.739				54.11°C	230.31V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	63.264A	8.92A	8.95A	3.009A	849.763	91.342%	1595	44.1	45.71°C	0.981
	12.014V	5.045V	3.318V	4.984V	930.307				55.64°C	230.31V
110%	69.602A	9.915A	10.04A	3.012A	934.338	90.769%	1604	44.3	46.77°C	0.982
	12.012V	5.043V	3.316V	4.978V	1029.353				57.66°C	230.32V
CL1	0.115A	11.917A	11.944A	0A	101.282	85.068%	0	<6.0	49.09°C	0.831
	12.029V	5.051V	3.323V	5.108V	119.061				42.26°C	230.33V
CL2	0.114A	19.81A	0A	0A	101.39	81.738%	0	<6.0	50.71°C	0.84
	12.031V	5.048V	3.321V	5.112V	124.048				43.56°C	230.33V
CL3	0.114A	0A	19.866A	0A	67.374	77.38%	0	<6.0	53.25°C	0.75
	12.030V	5.041V	3.322V	5.11V	87.072				44.93°C	230.33V
CL4	70.691A	0A	0A	0A	849.507	92.064%	1576	44.1	45.89°C	0.981
	12.018V	5.048V	3.321V	5.071V	922.741				56.21°C	230.32V

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	1.234A	0.494A	0.496A	0.196A	19.993	72.163%	0	<6.0	40.24°C	0.763
	12.030V	5.063V	3.327V	5.115V	27.701				37.03°C	115.17V
40W	2.717A	0.691A	0.695A	0.293A	39.995	82.362%	0	<6.0	41.51°C	0.889
	12.030V	5.062V	3.327V	5.111V	48.56				37.91°C	115.17V
60W	4.200A	0.889A	0.893A	0.391A	59.996	86.376%	0	<6.0	42.89°C	0.939
	12.030V	5.061V	3.326V	5.107V	69.458				38.89°C	115.17V
80W	5.678A	1.087A	1.09A	0.49A	79.938	88.302%	0	<6.0	43.76°C	0.956
	12.029V	5.061V	3.329V	5.103V	90.528				39.16°C	115.17V

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	1.234A	0.494A	0.495A	0.196A	19.992	72.996%	0	<6.0	40.03°C	0.461
	12.031V	5.062V	3.332V	5.115V	27.392				36.83°C	230.32V
40W	2.717A	0.692A	0.694A	0.293A	39.993	82.659%	0	<6.0	40.71°C	0.593
	12.030V	5.062V	3.331V	5.111V	48.383				36.91°C	230.33V
60W	4.200A	0.889A	0.892A	0.391A	59.994	86.763%	0	<6.0	42.25°C	0.684
	12.030V	5.061V	3.331V	5.107V	69.147				37.75°C	230.33V
80W	5.678A	1.087A	1.09A	0.49A	79.938	88.986%	0	<6.0	43.38°C	0.752
	12.030V	5.06V	3.33V	5.103V	89.831				38.38°C	230.33V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	9.55mV	7.32mV	8.75mV	8.60mV	Pass
20% Load	12.53mV	7.68mV	8.95mV	10.07mV	Pass
30% Load	13.80mV	8.49mV	9.96mV	12.55mV	Pass
40% Load	12.81mV	8.79mV	9.91mV	11.33mV	Pass
50% Load	13.77mV	9.56mV	10.92mV	12.04mV	Pass
60% Load	15.74mV	11.23mV	11.63mV	13.81mV	Pass
70% Load	16.25mV	11.33mV	12.64mV	15.99mV	Pass
80% Load	17.16mV	11.69mV	13.95mV	17.56mV	Pass
90% Load	17.67mV	12.75mV	13.19mV	16.45mV	Pass
100% Load	27.19mV	15.77mV	16.58mV	20.24mV	Pass
110% Load	29.49mV	16.84mV	18.04mV	22.27mV	Pass
Crossload1	18.51mV	13.92mV	12.78mV	13.06mV	Pass
Crossload2	14.08mV	11.94mV	7.08mV	11.89mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	12.96mV	10.57mV	15.57mV	10.37mV	Pass
Crossload4	26.40mV	13.09mV	14.83mV	17.95mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	10.76mV	7.93mV	10.16mV	11.23mV	Pass
20% Load	14.26mV	8.03mV	9.20mV	9.97mV	Pass
30% Load	15.27mV	8.74mV	9.66mV	11.13mV	Pass
40% Load	12.33mV	9.35mV	10.46mV	12.04mV	Pass
50% Load	13.06mV	10.17mV	10.36mV	10.98mV	Pass
60% Load	14.13mV	9.76mV	10.82mV	12.04mV	Pass
70% Load	14.94mV	10.52mV	11.17mV	12.30mV	Pass
80% Load	16.71mV	11.38mV	12.89mV	12.85mV	Pass
90% Load	17.47mV	11.89mV	12.44mV	12.96mV	Pass
100% Load	25.42mV	14.82mV	15.25mV	15.37mV	Pass
110% Load	27.63mV	15.85mV	16.26mV	15.77mV	Pass
Crossload1	17.67mV	12.71mV	12.86mV	12.16mV	Pass
Crossload2	13.21mV	12.15mV	8.19mV	12.90mV	Pass
Crossload3	13.67mV	11.03mV	15.98mV	11.84mV	Pass
Crossload4	27.15mV	11.82mV	13.53mV	15.17mV	Pass

The results above are not used in the certification process

Cooler Master XG 850



Top side

All data and graphs included in this test report can be used by any individual on the following conditions:

- › It should be mentioned that the test results are provided by Cybenetics
- › The link to the original test results document should be provided in any case

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

850W

MODEL / 型號 / 型号 : MPG-8501-AFBAP
Switching Power Supply 交換式電源供應器 / 开关电源

AC INPUT	100-240V~, 12-6A, 50-60Hz				
交流輸入	200-240V~, 6A, 50-60Hz, For Korea Use Only				
交流輸入	200-240V~, 6A, 50-60Hz, 适用于中国地区使用				
DC OUTPUT	+5V	+3.3V	+12V	-12V	+5VSB
直流輸出/直流輸出	20A	20A	70.8A	0.3A	3A
TOTAL POWER	100W		849.6W	3.6W	15W
總功率/总功率	850W				

CAUTION! / 警告 / ATTENTION

■ HAZARDOUS VOLTAGE INSIDE. / 內有危險電壓 / 內有危險电压 / Tension dangereuse à l'intérieur

■ DO NOT OPEN POWER SUPPLY UNIT. / 請勿打開機殼 / 請勿打开机壳 / Ne pas ouvrir l'alimentation

■ SELECT THE RIGHT INPUT VOLTAGE. / 選擇正確的輸入電壓 / 选择正确的输入电压 / Sélectionnez la bonne tension d'entrée

■ WARRANTY VOID IF SECURITY SEAL IS DAMAGED, REMOVED, OR LOST. / 如果封條貼紙被移動、遺失或損壞，本開關電源保固將失效 / 如果封条貼紙被移动、遗失或损坏，本开关电源保固将失效 / Annulation de la garantie si le sceau est endommagé, retiré ou perdu

■ attention ne pas ouvrir l'alimentation

MADE IN CHINA / 中國製造 / 中国制造

■ Cooler Master Technology Inc.

製造商：酷碼科技股份有限公司 / 制造商：酷码科技股份有限公司

Power specifications label

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

www.cybenetics.com - info@cybenetics.com