Corsair RM1000e (ATX v3.1)

Serial Number A9DAF4420003AV

Lab ID CR10002624

Certification ID 252624

Test Result Report ID: 24PS2624A

Certificate Issue Date: Nov 1, 2024

Scheme: ETA-EMI PSU

115V 230V

Scheme: LAMBDA PSU

115V 230V

Outside Validation Scope

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	Corsair
Model	RM1000e (ATX v3.1)
OEM/ODM	HEC
Serial Number	A9DAF4420003AV
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240

Rated Current (Arms)	6-12
Rated Frequency (Hz)	47-63
Rated Power (W)	1000
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	120mm Rifle Bearing Fan (HA1225H12SF-Z)
Semi-Passive Operation	✓
Cybenetics Testing Information	
Lab ID	CR10002624
Date of receipt	Oct 22, 2024
Testing Date	Oct 31, 2024
Report Issued Date	Nov 1, 2024
DUT Notes	The results apply to both the black and white variants.
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**	In Cable Capacitors
ATX connector 24 pin (600mm)	1	1	16-20AWG	No
4+4 pin EPS12V (740mm)	2	2	18AWG	No
6+2 pin PCIe (640mm)	2	2	16AWG	No
2 x 6+2 pin PCIe (640mm)	1	2	16-18AWG	No

12+2 pin PCIe (650mm) (600W)	1	1	16-24AWG	No
SATA (450mm+100mm) / 4-pin Molex (+100mm+100mm)	1	2 / 2	18AWG	No
SATA (450mm+100mm+100mm+100mm)	1	4	18AWG	No
AC Power Cord (1390mm) - C13 coupler	1	1	14AWG	-

Protection Features

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	83.3	3	0
	Watts	150		1000	15	0
Total Max. Power (W)		1000				

Parts Description

General Data	-
Manufacturer (OEM)	HEC
PCB Type	Single-Sided
Primary Side	-
Transient Filter	4x Y caps, 3x X caps, 2x CM chokes, 1x MOV, 1x Power IntegrationsCAP200DG (Discharge IC)
Inrush Protection	NTC Thermistor SCK-056 (5 Ohm) & Relay
Bridge Rectifier(s)	2x GBU15L06 (600V, 15A @ 115°C)
APFC MOSFETs	2x Great Power GP47S60 (600V, 47A, Rds(on): 0.081Ohm)

APFC Boost Diode	1x CREE C6D10065A (650V, 10A @ 155°C)
Bulk Cap(s)	1x Teapo (400V, 680uF, 2,000h @ 105°C, LS)
Main Switchers	2x Great Power GP36S60YERD
APFC Controller	Champion CM6500UN & CM03AX
Resonant Controller	Champion CM6901T6X
Topology	Primary side: APFC, Half-Bridge & LLC Resonant converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	-
+12V MOSFETs	no info
5V & 3.3V	DC-DC Converters: 4x Potens Semiconductor PDC3906X (30V, 51A @ 100°C, Rds(on): 5.5mOhm) PWM Controller(s): 1x ANPECAPW7159C
Filtering Capacitors	Electrolytic: 6x Teapo (1-3,000h @ 105°C, SC), 2x Nippon Chemi-con (2-5,000h @ 105°C, KZE) 1x Rubycon (4-10,000h @ 105°C, YXF) Polymer: 6x Teapo, 17x
Supervisor IC	Weltrend WT7527RT (OCP, OVP, UVP, SCP, PG)
Fan Controller	Nuvoton M031FB0AE
Fan Model	Hong Hua HA1225H12F-Z (120mm, 12V, 0.58A, Rifle Bearing Fan)
5VSB Circuit	-
Rectifier	1x PS1060L SBR (60V, 10A)
Standby PWM Controller	Excelliance MOS EM8569D

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)	89.483%
Average Noise Output (>1450 Load Combinations)	25.54dBA
Average PF (>1450 Load Combinations)	0.975
Efficiency With 10W (≤500W) or 2% (>500W) Load	70.962%
Standby Power Consumption	0.0481W
Non-Accredited	
12V Ripple (Full Load)	30.07mV
5V Ripple (Full Load)	10.80mV
3.3V Ripple (Full Load)	12.07mV
5VSB Ripple (Full Load)	14.41mV
12V Load Regulation	0.81%
5V Load Regulation	0.60%
3.3V Load Regulation	1.20%
5VSB Load Regulation	2.27%
Inrush Current	32.120A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.576%
Average Noise Output (>1450 Load Combinations)	25.32dBA
Average PF (>1450 Load Combinations)	0.942
Efficiency With 10W (≤500W) or 2% (>500W) Load	71.493%
Standby Power Consumption	0.1168W
Non-Accredited	
12V Ripple (Full Load)	31.31mV
5V Ripple (Full Load)	11.77mV
3.3V Ripple (Full Load)	11.67mV

5VSB Ripple (Full Load)		12.52mV
12V Load Regulation		0.81%
5V Load Regulation		0.60%
3.3V Load Regulation		1.20%
5VSB Load Regulation		2.21%
Inrush Current		66.590A
12V Transient Response (200%)		11.21V
5V Transient Response (200%)		4.868V
3.3V Transient Response (200%)		3.147V
5VSB Transient Response (200%)		4.847V
Hold-Up Time & PWR_OK Signal		16.40ms
AC Loss to PWR_OK Hold Up Time		13.80ms
PWR_OK Inactive to DC Loss Delay		2.50ms
PSU Timings: T1 (20% / 100%)	48.0ms	49.0ms
PSU Timings: T3 (20% / 100%)	121.0ms	120.0ms
12V OCP (27.3°C / 43.1°C)	104.00A (124.85%), 11.971V	103.60A (124.37%), 11.973V
5V OCP (27.3°C / 43.1°C)	28.1A (140.50%), 4.992V	27.6A (138.00%), 4.992V
3.3V OCP (27.3°C / 43.1°C)	28.3A (141.50%), 3.268V	28.1A (140.50%), 3.269V
5VSB OCP (27.3°C / 43.1°C)	4.1A (136.67%), 4.896V	4.1A (136.67%), 4.896V
OPP (30.81°C / 42.35°C)	123.76%	123.15%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	16.4
AC Loss to PWR_OK Hold Up Time (ms)	13.8
PWR_OK Inactive to DC Loss Delay (ms)	2.6

Vampire Power

Tables

115V

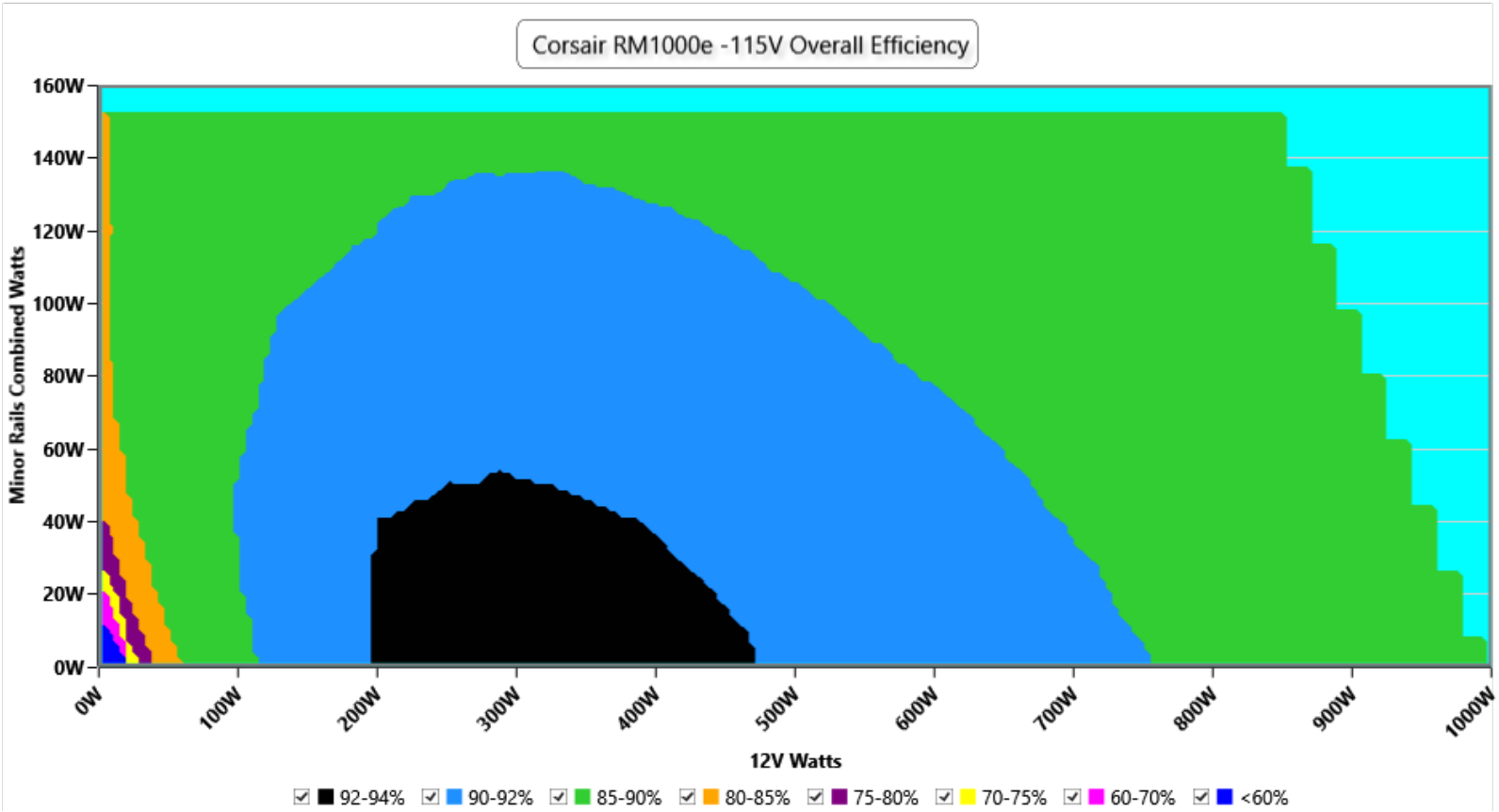
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.06 V	115.03 V	113.85 V	115.10 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.048 W	-0.003 W	N/A	0.092 W	N/A	N/A
Apparent Power:	13.105 W	12.783 W	N/A	13.449 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:	231.03 V	230.94 V	227.70 V	231.10 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	49.99 Hz	49.50 Hz	50.01 Hz	50.50 Hz	PASS
Mains Voltage CF:	1.417	1.416	1.340	1.419	1.490	PASS
Mains Voltage THD:	0.17 %	0.15 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.117 W	0.070 W	N/A	0.195 W	N/A	N/A
Apparent Power:	43.936 W	43.257 W	N/A	44.649 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

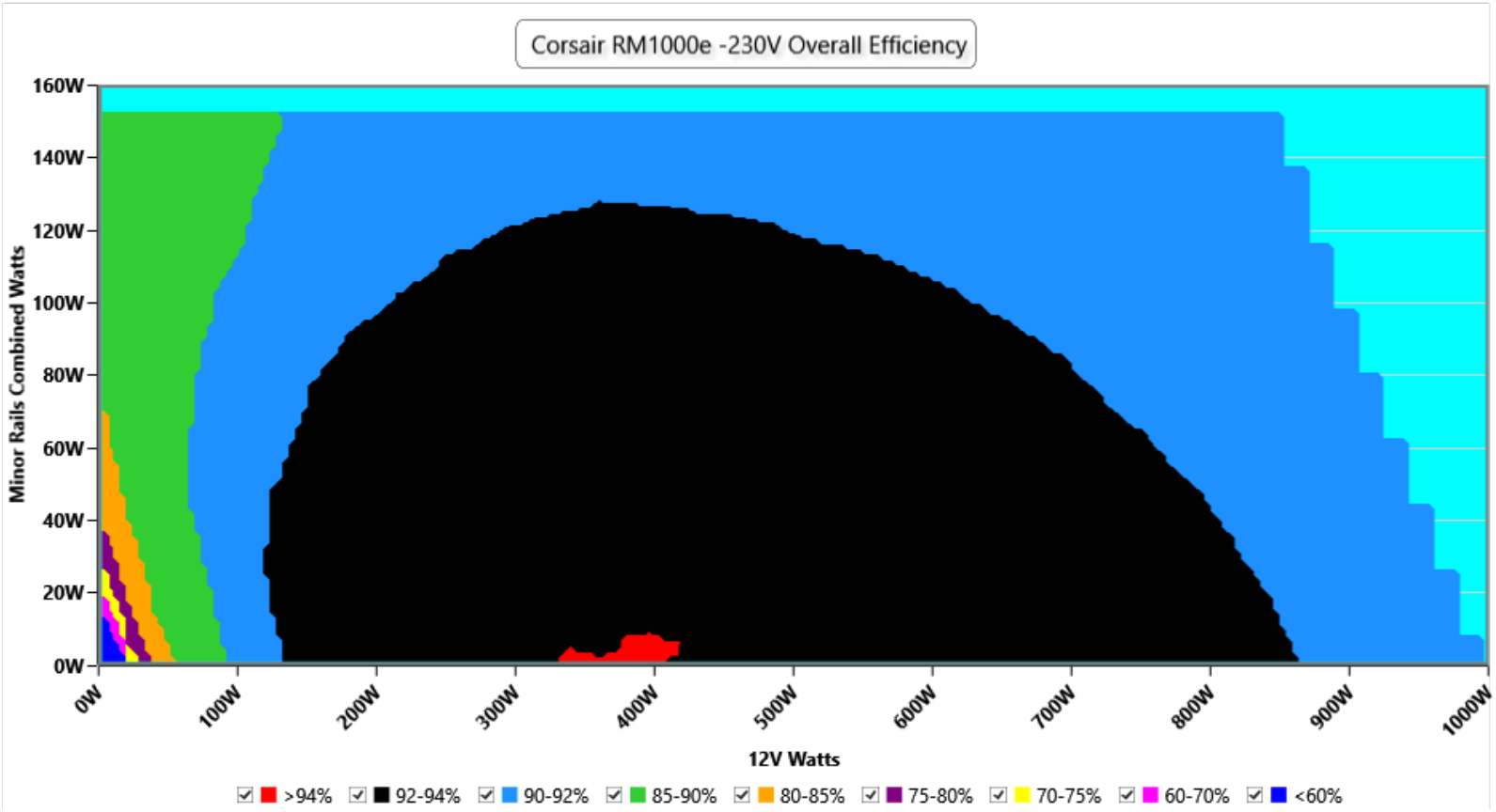
115V



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

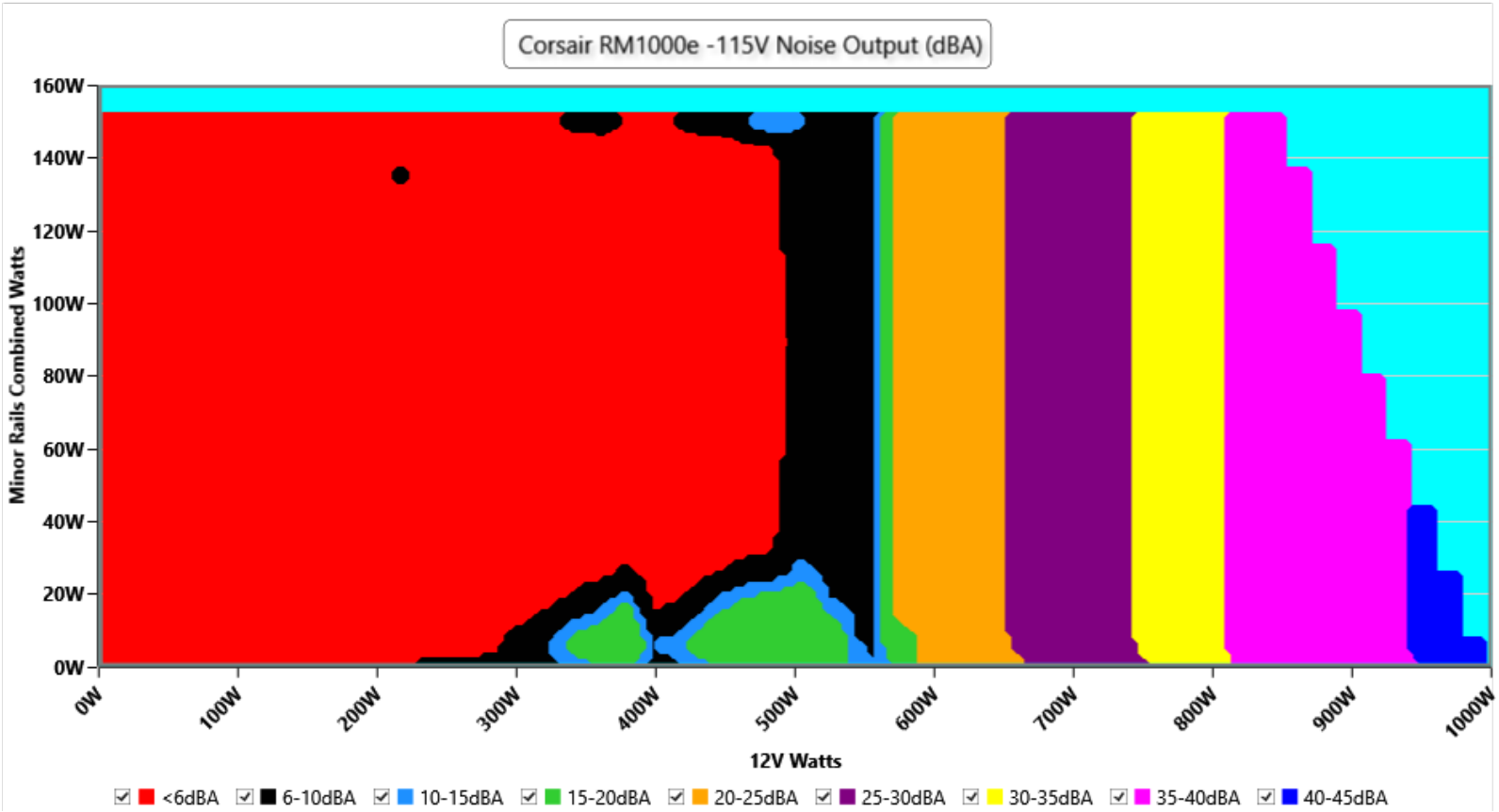


INFO

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Noise Graph

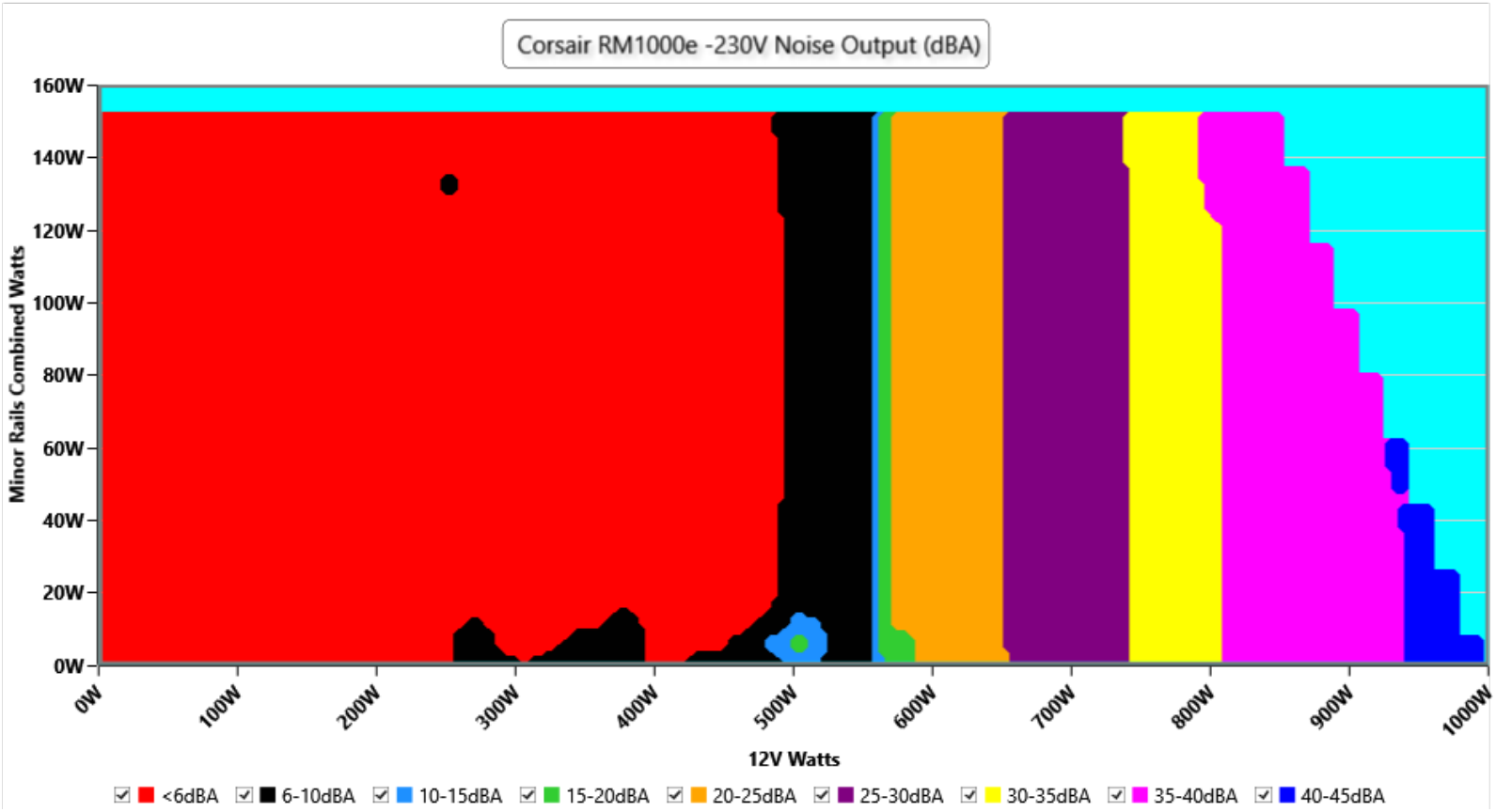
115V



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 fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 34.1 °C	0 RPM · <6.0 dB(A) · 46.4 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 36.2 °C	0 RPM · <6.0 dB(A) · 47.2 °C	fan off in both
50%	454 RPM · <6.0 dB(A) · 30.2 °C	465 RPM · <6.0 dB(A) · 42.1 °C	<6.0 in both
100%	1570 RPM · 39.0 dB(A) · 30.8 °C	2094 RPM · 46.7 dB(A) · 45.8 °C	**+7.7 dB(A)**

230V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 32.8 °C	0 RPM · <6.0 dB(A) · 45.8 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 35.0 °C	0 RPM · <6.0 dB(A) · 47.3 °C	fan off in both
50%	453 RPM · <6.0 dB(A) · 30.7 °C	464 RPM · <6.0 dB(A) · 42.3 °C	<6.0 in both
100%	1569 RPM · 39.0 dB(A) · 30.8 °C	2001 RPM · 45.5 dB(A) · 45.4 °C	**+6.5 dB(A)**

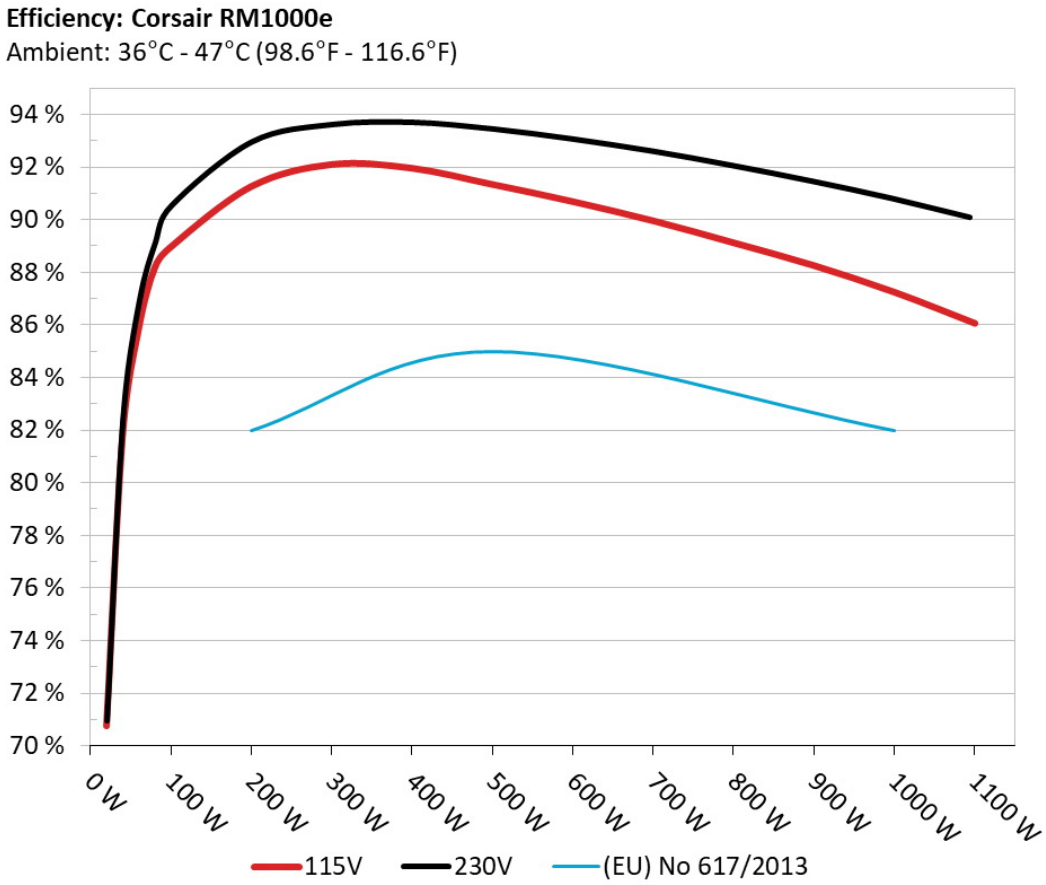
INFO

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: the fan is stopped or too quiet to measure (the fan speed column says which); with the fan stopped, the intake sensor can read higher than the chamber air.

Informational. Not part of the ETA or LAMBDA rating.

Indicative Performance

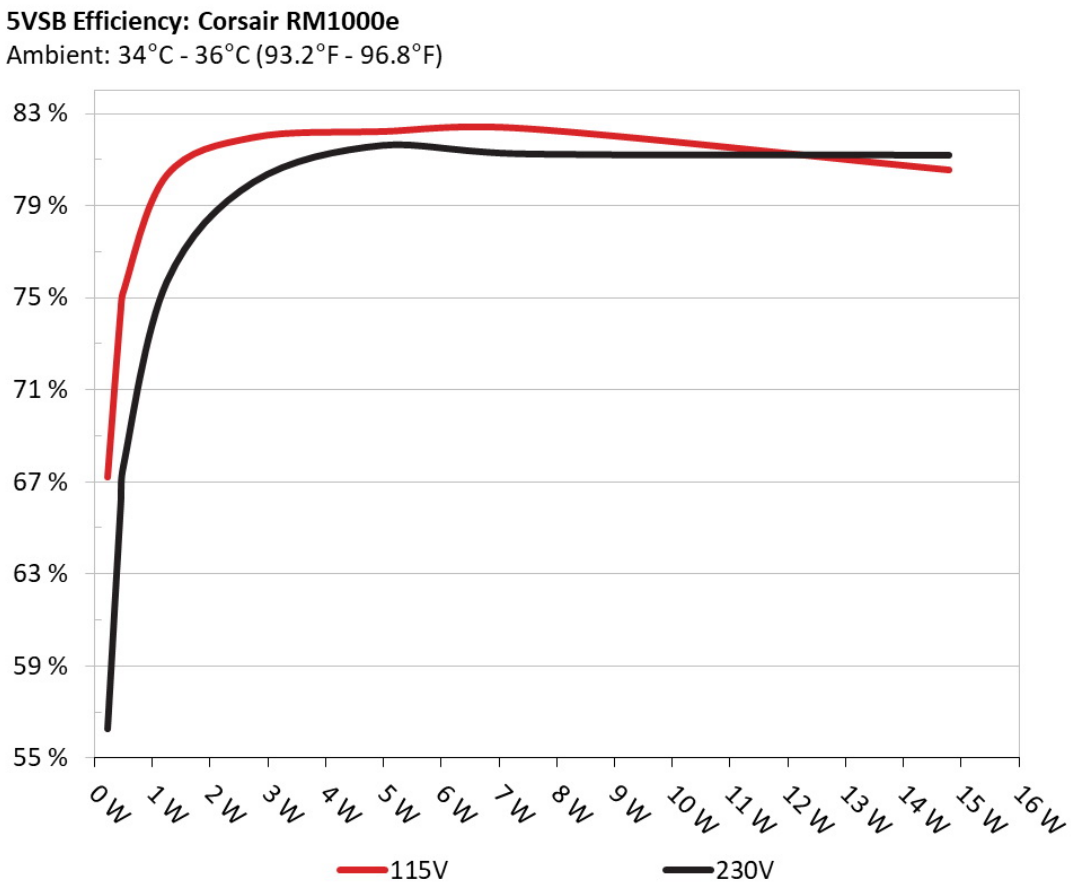
Efficiency under high ambient temperature



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**	0.225W	67.189%	0.027
	5.003V	0.335W		115.18V
2	**0.09A**	0.45W	74.386%	0.048
	5.002V	0.605W		115.17V
3	**0.55A**	2.746W	81.956%	0.225
	4.991V	3.351W		115.17V
4	**1A**	4.983W	82.212%	0.327
	4.981V	6.061W		115.17V
5	**1.5A**	7.456W	82.342%	0.385
	4.969V	9.056W		115.17V
6	**3.001A**	14.779W	80.545%	0.465
	4.926V	18.349W		115.16V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.225W	56.276%	0.01
	5.005V	0.4W		230.43V
2	**0.09A**	0.45W	65.954%	0.017
	5.003V	0.683W		230.42V
3	**0.55A**	2.746W	80.038%	0.081
	4.991V	3.432W		230.43V
4	**1A**	4.982W	81.638%	0.137
	4.98V	6.104W		230.43V
5	**1.501A**	7.453W	81.268%	0.191
	4.967V	9.17W		230.43V
6	**3.001A**	14.78W	81.213%	0.297
	4.926V	18.199W		230.43V

Protection Features

OCP (Normal @ 27.3°C)	12V: 104A (124.85%), 11.971V 5V: 28.1A (140.5%), 4.992V 3.3V: 28.3A (141.5%), 3.268V 5VSB: 4.1A (136.67%), 4.896V
OCP (Hot @ 43.1°C)	12V: 103.6A (124.37%), 11.973V 5V: 27.6A (138%), 4.992V 3.3V: 28.1A (140.5%), 3.269V 5VSB: 4.1A (136.67%), 4.896V
OPP (Normal @ 30.8°C)	1237.56W (123.76%)
OPP (Hot @ 42.4°C)	1231.49W (123.15%)
OTP	✓ (120°C @ Heat Sink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓
PWR_OK	Proper Operation
NLO	✓
Fan Failure Protection	✗
SIP	Surge: MOV 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%	**6.514A**	**1.996A**	**2.005A**	**1.005A**	100.041	88.978%	0	<6.0	46.43°C	0.877
	12.042V	5.012V	3.292V	4.977V	112.433				40.09°C	115.16V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20%	**14.052A**	**2.995A**	**3.012A**	**1.208A**	200.007	91.272%	0	<6.0	47.16°C	0.904
	12.033V	5.009V	3.288V	4.968V	219.133				40.88°C	115.13V
30%	**21.955A**	**3.496A**	**3.517A**	**1.411A**	300.07	92.113%	0	<6.0	49.28°C	0.982
	12.025V	5.007V	3.285V	4.961V	325.761				41.43°C	115.08V
40%	**29.852A**	**3.997A**	**4.023A**	**1.616A**	399.911	91.969%	0	<6.0	52.4°C	0.984
	12.016V	5.005V	3.281V	4.953V	434.831				41.9°C	115.06V
50%	**37.412A**	**5A**	**5.036A**	**1.821A**	499.635	91.355%	465	<6.0	42.08°C	0.986
	12.004V	5.002V	3.277V	4.944V	546.915				48.29°C	115.03V
60%	**45.058A**	**6.005A**	**6.051A**	**2.001A**	600.069	90.701%	683	11.6	42.72°C	0.989
	11.993V	4.998V	3.273V	4.936V	661.585				47.67°C	115V
70%	**52.646A**	**7.01A**	**7.068A**	**2.233A**	699.926	89.973%	907	21.9	43.04°C	0.991
	11.982V	4.995V	3.269V	4.928V	777.935				47.44°C	114.97V
80%	**60.319A**	**8.016A**	**8.087A**	**2.338A**	799.961	89.138%	1318	33.7	43.55°C	0.992
	11.970V	4.992V	3.265V	4.921V	897.45				48.36°C	114.94V
90%	**68.339A**	**8.522A**	**8.587A**	**2.443A**	899.754	88.273%	1813	42.9	44.83°C	0.993
	11.959V	4.989V	3.261V	4.914V	1019.286				49.81°C	114.92V
100%	**76.173A**	**9.028A**	**9.119A**	**3.067A**	999.791	87.263%	2094	46.7	45.81°C	0.994
	11.948V	4.986V	3.257V	4.892V	1145.729				51.49°C	114.89V
110%	**83.956A**	**10.037A**	**10.237A**	**3.069A**	1100.406	86.075%	2354	49.5	46.58°C	0.995
	11.936V	4.983V	3.253V	4.889V	1278.418				53.47°C	114.87V
CL1	**0.118A**	**18.077A**	**18.196A**	**0A**	151.323	84.407%	1577	39.2	41.46°C	0.893
	12.018V	4.996V	3.276V	4.996V	179.277				45.03°C	115.15V
CL2	**0.117A**	**20.005A**	**0A**	**0A**	101.409	84.149%	1106	28.5	40.9°C	0.879
	12.034V	4.999V	3.294V	5.004V	120.514				43.55°C	115.15V
CL3	**0.117A**	**0A**	**20.132A**	**0A**	67.405	79.206%	655	9.8	41.05°C	0.864
	12.030V	5.014V	3.278V	5.002V	85.103				42.96°C	115.16V
CL4	**83.634A**	**0A**	**0A**	**0A**	1000.292	88.07%	1903	44.2	45.68°C	0.994
	11.960V	4.997V	3.268V	4.978V	1135.797				50.12°C	114.9V

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%	**6.546A**	**2.001A**	**2A**	**1A**	100.411	90.176%	0	<6.0	45.83°C	0.777
	12.042V	5.012V	3.291V	4.977V	111.349				40.05°C	230.38V
20%	**14.107A**	**3.001A**	**3A**	**1.2A**	200.617	92.965%	0	<6.0	47.27°C	0.853
	12.033V	5.009V	3.288V	4.969V	215.798				40.65°C	230.36V
30%	**22.005A**	**3.501A**	**3.5A**	**1.4A**	300.579	93.621%	0	<6.0	48.73°C	0.946
	12.025V	5.007V	3.284V	4.962V	321.06				41.21°C	230.35V
40%	**29.912A**	**4.001A**	**4A**	**1.6A**	400.473	93.706%	0	<6.0	51.29°C	0.959
	12.015V	5.005V	3.281V	4.954V	427.375				41.94°C	230.33V
50%	**37.476A**	**5.002A**	**5.001A**	**1.801A**	500.145	93.455%	464	<6.0	42.31°C	0.965
	12.003V	5.001V	3.277V	4.945V	535.18				47.81°C	230.32V
60%	**45.044A**	**6.001A**	**6A**	**2.001A**	599.679	93.071%	679	11.3	42.84°C	0.97
	11.992V	4.997V	3.273V	4.937V	644.322				48.27°C	230.3V
70%	**52.609A**	**7.002A**	**7A**	**2.201A**	698.999	92.611%	965	23.5	43.46°C	0.973
	11.981V	4.994V	3.269V	4.928V	754.77				49.05°C	230.29V
80%	**60.211A**	**8.002A**	**8A**	**2.3A**	798.063	92.067%	1305	33.4	43.97°C	0.976
	11.969V	4.991V	3.265V	4.922V	866.833				50.09°C	230.27V
90%	**68.149A**	**8.501A**	**8.499A**	**2.4A**	896.858	91.474%	1744	41.8	44.48°C	0.978
	11.958V	4.988V	3.261V	4.915V	980.453				51.15°C	230.25V
100%	**75.894A**	**9.002A**	**9A**	**3A**	995.608	90.823%	2001	45.5	45.43°C	0.98
	11.948V	4.985V	3.257V	4.895V	1096.209				52.71°C	230.23V
110%	**83.533A**	**10.001A**	**10A**	**3A**	1094.101	90.093%	2266	48.4	46.27°C	0.981
	11.936V	4.982V	3.253V	4.892V	1214.415				54.96°C	230.21V
CL1	**0.118A**	**18.072A**	**18.072A**	**0A**	150.893	85.665%	1573	39.1	40.01°C	0.835
	12.018V	4.995V	3.276V	4.996V	176.14				45.84°C	230.36V
CL2	**0.118A**	**20A**	**0A**	**0A**	101.391	85.234%	1105	28.5	40.99°C	0.788
	12.033V	4.999V	3.293V	5.004V	118.958				44.47°C	230.36V
CL3	**0.117A**	**0A**	**19.999A**	**0A**	66.974	79.997%	840	18.3	40.51°C	0.725
	12.030V	5.014V	3.278V	5.002V	83.718				44.17°C	230.37V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL4	**83.356A**	**0A**	**0A**	**0A**	996.946	91.481%	1894	44.1	45.97°C	0.98
	11.960V	4.996V	3.267V	4.978V	1089.79				51.16°C	230.24V

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**	**0.499A**	**0.501A**	**0.2A**	20.014	70.77%	0	<6.0	41.27°C	0.771
	12.041V	5.016V	3.296V	5.003V	28.28				36.22°C	115.18V
40W	**2.715A**	**0.698A**	**0.701A**	**0.3A**	40.01	81.81%	0	<6.0	42.48°C	0.831
	12.045V	5.015V	3.295V	4.999V	48.903				37.07°C	115.17V
60W	**4.196A**	**0.898A**	**0.902A**	**0.401A**	60.01	85.884%	0	<6.0	44.49°C	0.858
	12.045V	5.015V	3.294V	4.994V	69.821				38.55°C	115.18V
80W	**5.676A**	**1.098A**	**1.103A**	**0.501A**	79.986	88.18%	0	<6.0	45.38°C	0.869
	12.044V	5.014V	3.293V	4.99V	90.71				39.23°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	**1.242A**	**0.5A**	**0.5A**	**0.2A**	20.105	70.948%	0	<6.0	40.49°C	0.439
	12.042V	5.015V	3.296V	5.003V	28.338				36.25°C	230.43V
40W	**2.721A**	**0.7A**	**0.7A**	**0.3A**	40.089	82.448%	0	<6.0	41.6°C	0.594
	12.044V	5.014V	3.295V	4.999V	48.623				37.18°C	230.41V
60W	**4.224A**	**0.9A**	**0.9A**	**0.4A**	60.361	86.888%	0	<6.0	43.72°C	0.685
	12.045V	5.014V	3.294V	4.994V	69.47				38.39°C	230.4V
80W	**5.704A**	**1.1A**	**1.1A**	**0.5A**	80.335	89.139%	0	<6.0	44.6°C	0.739
	12.044V	5.013V	3.293V	4.99V	90.121				39.05°C	230.39V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	9.8 mV	6.4 mV	4.6 mV	6.9 mV	Pass
20% Load	12.8 mV	6.5 mV	4.5 mV	7.0 mV	Pass
30% Load	13.5 mV	7.0 mV	5.1 mV	6.6 mV	Pass
40% Load	15.1 mV	10.7 mV	8.0 mV	7.2 mV	Pass
50% Load	15.9 mV	11.9 mV	9.6 mV	8.2 mV	Pass
60% Load	16.0 mV	10.5 mV	7.8 mV	7.5 mV	Pass
70% Load	17.4 mV	8.7 mV	7.3 mV	8.5 mV	Pass
80% Load	19.1 mV	9.5 mV	10.9 mV	8.5 mV	Pass
90% Load	19.6 mV	9.3 mV	10.9 mV	9.5 mV	Pass
100% Load	30.1 mV	10.8 mV	12.1 mV	14.4 mV	Pass
110% Load	33.0 mV	12.3 mV	13.1 mV	14.9 mV	Pass
Crossload 1	17.7 mV	9.5 mV	14.2 mV	7.3 mV	Pass
Crossload 2	9.8 mV	6.4 mV	4.4 mV	6.8 mV	Pass
Crossload 3	9.1 mV	6.4 mV	13.7 mV	6.4 mV	Pass
Crossload 4	30.6 mV	10.4 mV	6.7 mV	9.4 mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	9.9 mV	6.4 mV	4.5 mV	6.5 mV	Pass
20% Load	13.0 mV	6.5 mV	4.6 mV	6.5 mV	Pass
30% Load	13.6 mV	7.3 mV	5.3 mV	7.0 mV	Pass
40% Load	13.6 mV	10.4 mV	8.1 mV	7.5 mV	Pass
50% Load	14.5 mV	11.9 mV	9.4 mV	8.0 mV	Pass
60% Load	16.8 mV	11.0 mV	9.8 mV	8.0 mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
70% Load	17.2 mV	9.3 mV	9.9 mV	10.2 mV	Pass
80% Load	18.8 mV	10.4 mV	11.3 mV	8.3 mV	Pass
90% Load	20.0 mV	10.2 mV	10.9 mV	9.5 mV	Pass
100% Load	31.3 mV	11.8 mV	11.7 mV	12.5 mV	Pass
110% Load	34.9 mV	11.4 mV	12.1 mV	12.9 mV	Pass
Crossload 1	18.1 mV	9.2 mV	14.6 mV	7.0 mV	Pass
Crossload 2	10.0 mV	6.6 mV	4.4 mV	6.9 mV	Pass
Crossload 3	8.3 mV	7.0 mV	14.2 mV	6.7 mV	Pass
Crossload 4	31.0 mV	10.6 mV	6.4 mV	9.2 mV	Pass

The results above are not used in the certification process

Corsair RM1000e (ATX v3.1)



Top side



Power specifications label

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

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

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