CORSAIR

Corsair RM850x (ATX v3.1)

Serial Number A6GGA404K007EE

Lab ID CR85002399

Certification ID 252399

Test Result Report ID: 24PS2399A

Certificate Issue Date: Apr 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	RM850x (ATX v3.1)
OEM/ODM	Channel Well Technology
Serial Number	A6GGA404K007EE
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	10-5

Rated Frequency (Hz)	47-63
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 (NR140HP)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	CR85002399
Date of receipt	Mar 14, 2024
Testing Date	Mar 29, 2024
Report Issued Date	Apr 1, 2024
DUT Notes	CP-9020270 (Semi-Passive Off)
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 (610mm)	1	1	16-20AWG	No
4+4 pin EPS12V (750mm)	2	2	18AWG	No
6+2 pin PCIe (650mm)	3	3	16-18AWG	No
12+2 pin PCIe (650mm) (600W)	1	1	16-24AWG	No
SATA (500mm+115mm+115mm+115mm)	2	8	18AWG	No
4-pin Molex (550mm+100mm+100mm)	1	3	18AWG	No

AC Power Cord (1400mm) - C13 coupler	1	1	18AWG	-

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	20	20	70.8	3	0
	Watts	150		849.6	15	0
Total Max. Power (W)		850				

Parts Description

General Data	
Manufacturer (OEM)	CWT
PCB Type	Double-Sided
Primary Side	
Transient Filter	6x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor SCK-037 (3 Ohm @25°C) & Relay
Bridge Rectifier(s)	2x GBJ1506 (600V, 15A @ 100°C)
APFC MOSFETs	2x Infineon IPA60R125P6 (650V, 19A @ 100°C, Rds(on): 0.125Ohm) & 1x Sync Power SPN5003 FET (for reduced no-load consumption)
APFC Boost Diode	1x Onsemi FFSP0865A (650V, 8A @ 155°C)
Bulk Cap(s)	2x Nippon Chemi-Con (400V, 470uFeach or 940both, 2000h @ 105°C, KMW)
Main Switchers	2x Infineon IPA60R190P6 (650V, 12.7A @ 100°C, Rds(on): 0.190Ohm)
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CU6901VACNH
Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	6x Toshiba TPHR8504PL (40V, 150A @ 25°C, Rds(on): 0.85mOhm)
5V & 3.3V	DC-DC Converters: 4x UBIQ QN3107M6N (30V, 70A @ 100°C, Rds(on): 2.6mOhm) PWM Controller(s): UPI Semi uP3861P

Filtering Capacitors	Electrolytic: 4x Nichicon (3-6,000 @ 105°C, HD(M)), 3x Rubycon (6-10,000 @ 105°C, ZLH) 1x Rubycon (2-10,000 @ 105°C,YXF) 2x Nippon Chemi-Con (105°C, W) Polymer: 31x FPCAP, 2x Nippon Chemi-Con
Fan Controller	Microchip PIC16F1503
Fan Model	Corsair NR140HP (140mm, 12V, 0.33A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
High Side Rectifier	1x SMC RS1M (1000V, 1A @ 100°C)
Standby PWM Controller	On-Bright OB2365T

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)	88.815%
Average Noise Output (>1450 Load Combinations)	21.34dBA
Average PF (>1450 Load Combinations)	0.990
Efficiency With 10W (≤500W) or 2% (>500W) Load	75.825%
Standby Power Consumption	0.0179W
Non-Accredited	
12V Ripple (Full Load)	24.20mV

5V Ripple (Full Load)	15.04mV
3.3V Ripple (Full Load)	15.83mV
5VSB Ripple (Full Load)	16.78mV
12V Load Regulation	0.63%
5V Load Regulation	0.18%
3.3V Load Regulation	0.49%
5VSB Load Regulation	0.83%
Inrush Current	51.780A

230V

Accredited	
Average Efficiency (>1450 load combinations)	90.944%
Average Noise Output (>1450 Load Combinations)	21.37dBA
Average PF (>1450 Load Combinations)	0.962
Efficiency With 10W (≤500W) or 2% (>500W) Load	73.845%
Standby Power Consumption	0.0823W
Non-Accredited	
12V Ripple (Full Load)	25.82mV
5V Ripple (Full Load)	16.04mV
3.3V Ripple (Full Load)	15.94mV
5VSB Ripple (Full Load)	17.10mV
12V Load Regulation	0.64%
5V Load Regulation	0.24%
3.3V Load Regulation	0.52%
5VSB Load Regulation	0.81%
Inrush Current	101.660A
12V Transient Response (200%)	11.44V
5V Transient Response (200%)	4.905V
3.3V Transient Response (200%)	3.157V
5VSB Transient Response (200%)	4.824V
Hold-Up Time & PWR_OK Signal	25.00ms
AC Loss to PWR_OK Hold Up Time	21.30ms

PWR_OK Inactive to DC Loss Delay		3.70ms
PSU Timings: T1 (20% / 100%)	65.0ms	65.0ms
PSU Timings: T3 (20% / 100%)	125.0ms	124.0ms
OPP (28.44°C / 42.08°C)	123.13%	123.13%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	25
AC Loss to PWR_OK Hold Up Time (ms)	21.3
PWR_OK Inactive to DC Loss Delay (ms)	3.7

Vampire Power

Tables

115V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.05 V	115.01 V	113.85 V	115.09 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	60.00 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.18 %	2.00 %	PASS
Real Power:	0.018 W	0.014 W	N/A	0.022 W	N/A	N/A
Apparent Power:	10.153 W	10.119 W	N/A	10.196 W	N/A	N/A
Power Factor:	0.002	N/A	N/A	N/A	N/A	N/A

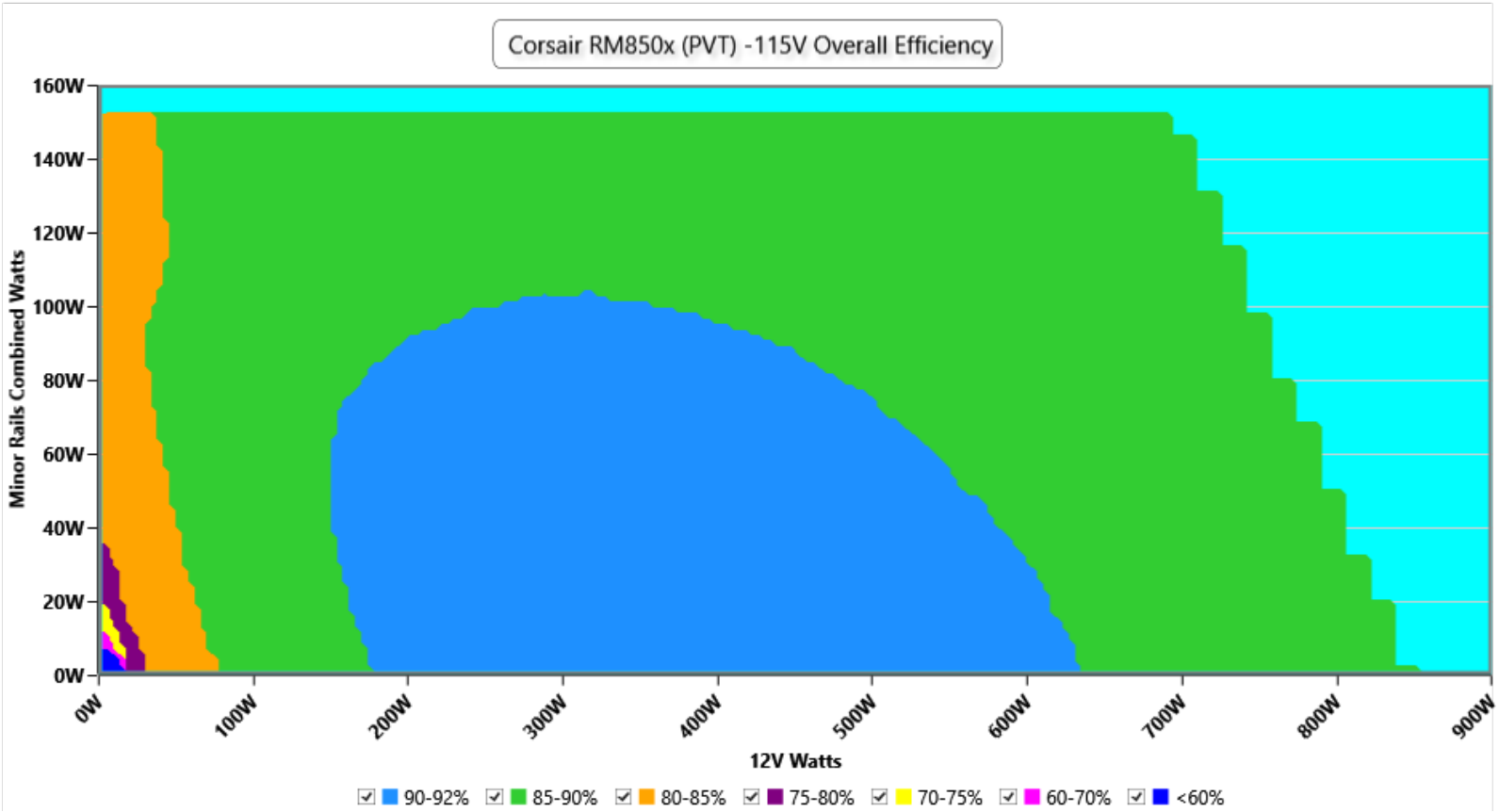
230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.99 V	230.88 V	227.70 V	231.05 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	1.418	1.490	PASS
Mains Voltage THD:	0.17 %	0.14 %	N/A	0.27 %	2.00 %	PASS
Real Power:	0.082 W	0.073 W	N/A	0.112 W	N/A	N/A
Apparent Power:	34.709 W	34.523 W	N/A	34.876 W	N/A	N/A
Power Factor:	0.002	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

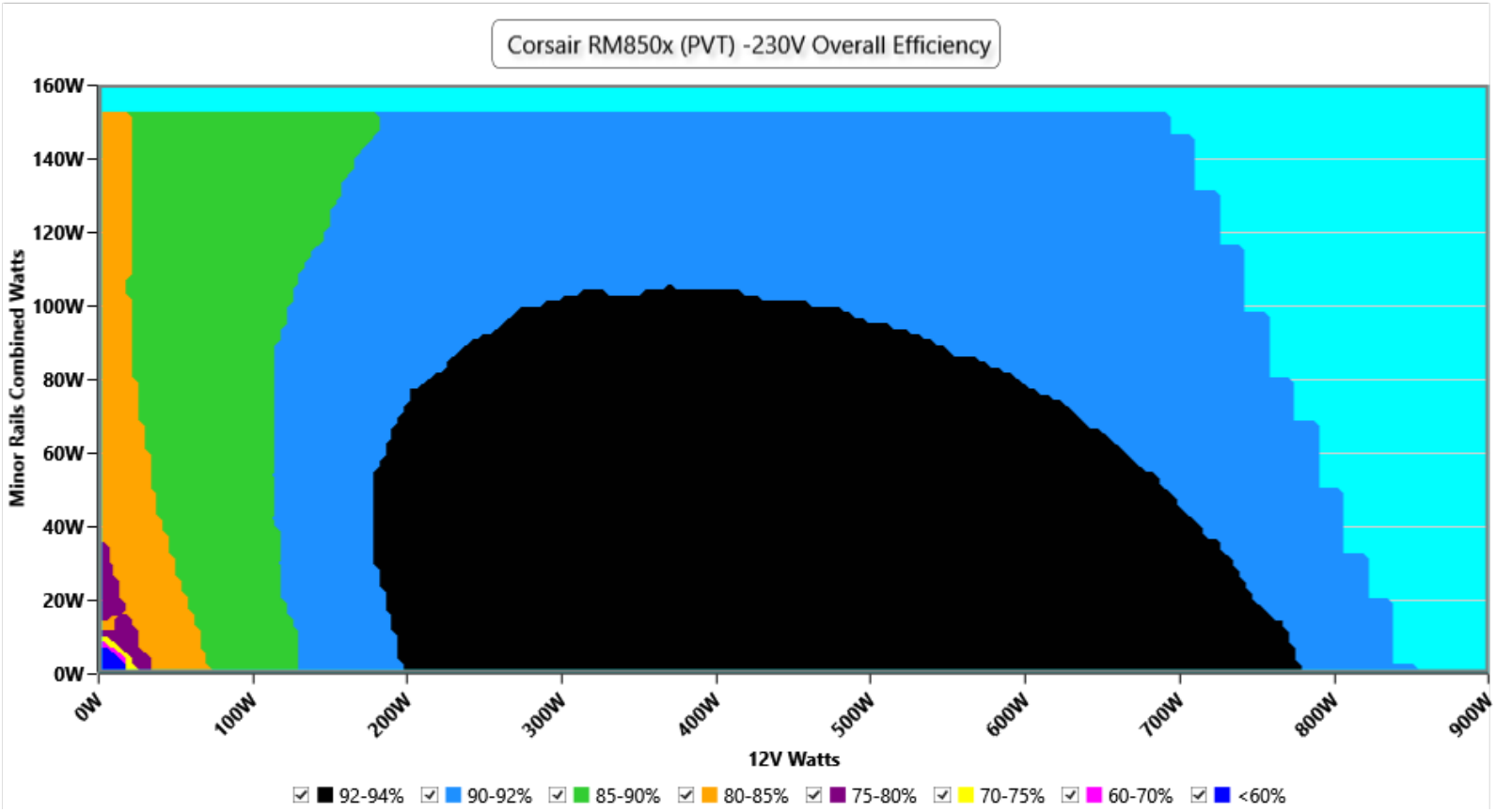
115V



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

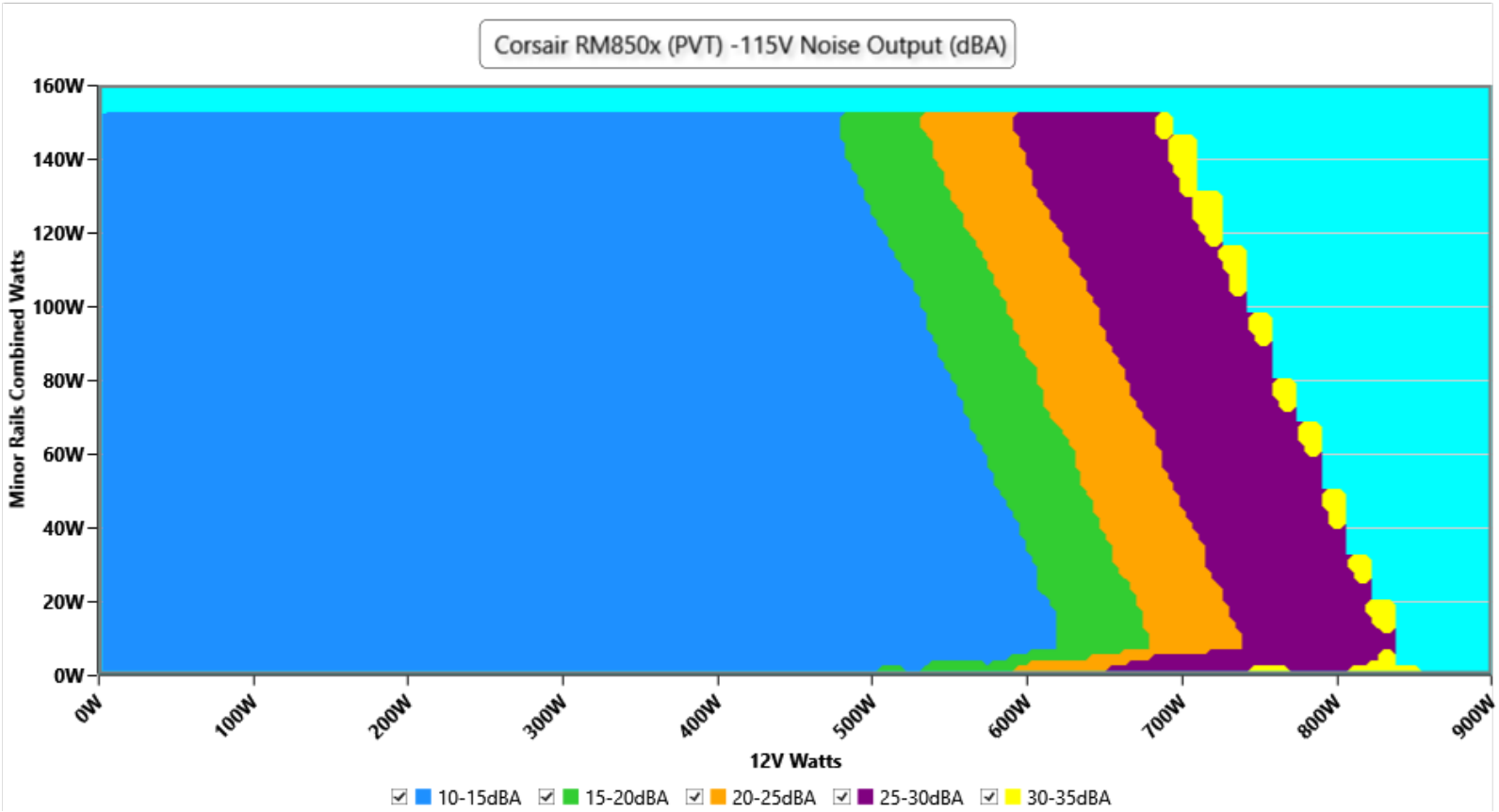


INFO

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Noise Graph

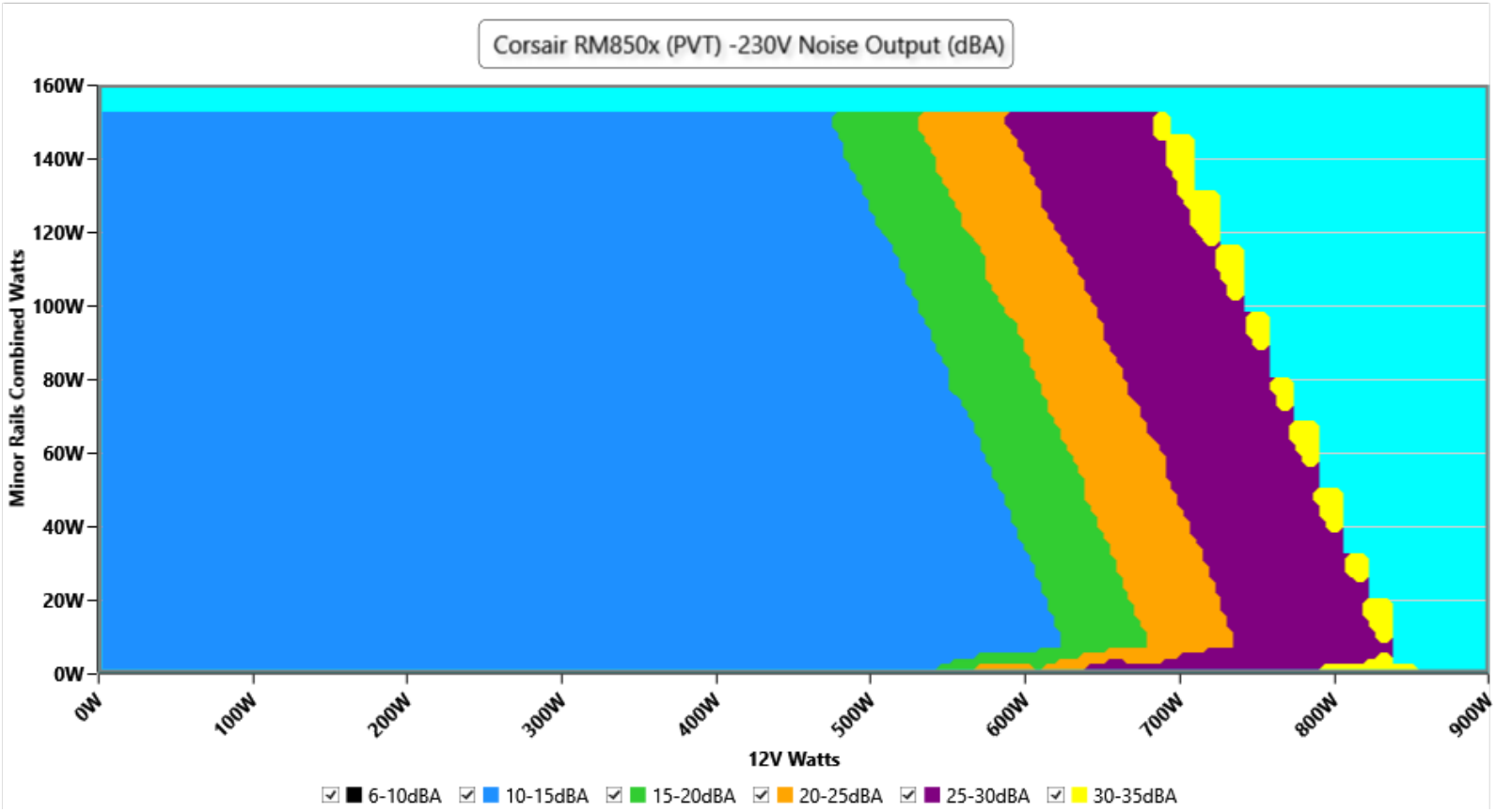
115V



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) · 44.3 °C	0 RPM · <6.0 dB(A) · 44.3 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 45.1 °C	0 RPM · <6.0 dB(A) · 45.1 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 48.1 °C	0 RPM · <6.0 dB(A) · 48.1 °C	fan off in both
100%	986 RPM · 30.8 dB(A) · 45.7 °C	986 RPM · 30.8 dB(A) · 45.7 °C	**+0.0 dB(A)**

230V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 44.6 °C	0 RPM · <6.0 dB(A) · 44.6 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 45.3 °C	0 RPM · <6.0 dB(A) · 45.3 °C	fan off in both
50%	0 RPM · <6.0 dB(A) · 48.3 °C	0 RPM · <6.0 dB(A) · 48.3 °C	fan off in both
100%	986 RPM · 30.8 dB(A) · 45.8 °C	986 RPM · 30.8 dB(A) · 45.8 °C	**+0.0 dB(A)**

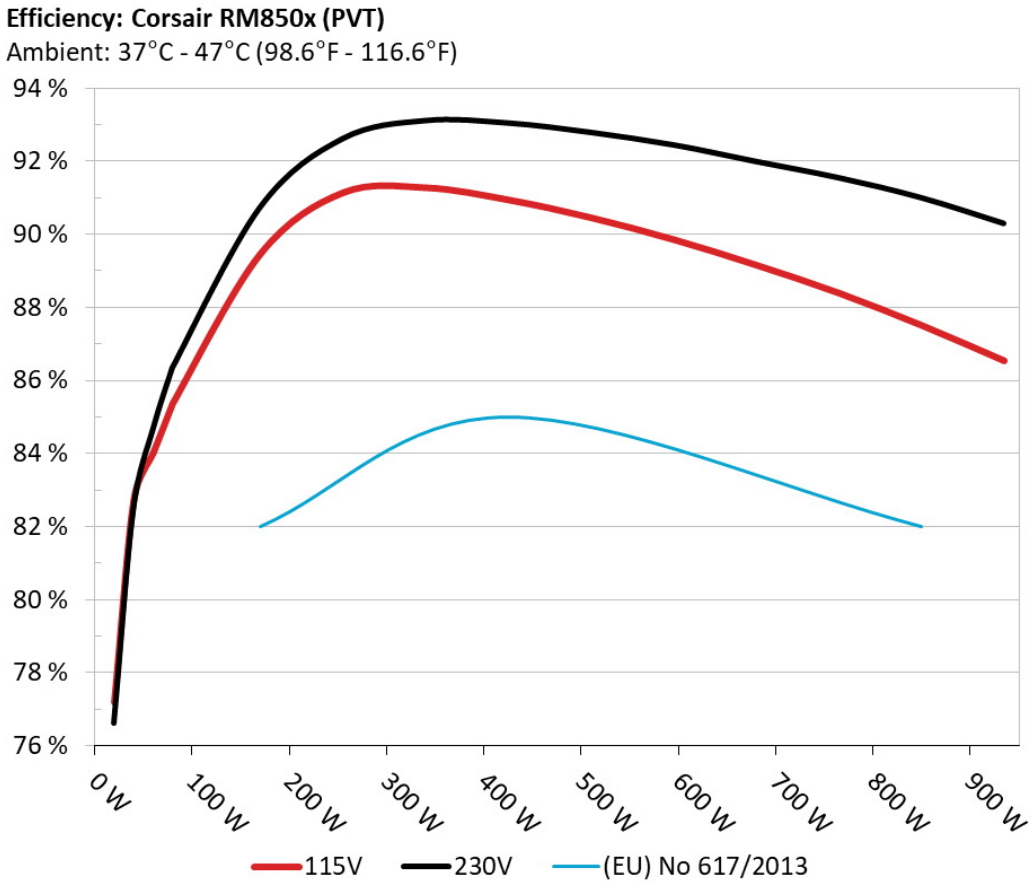
INFO

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

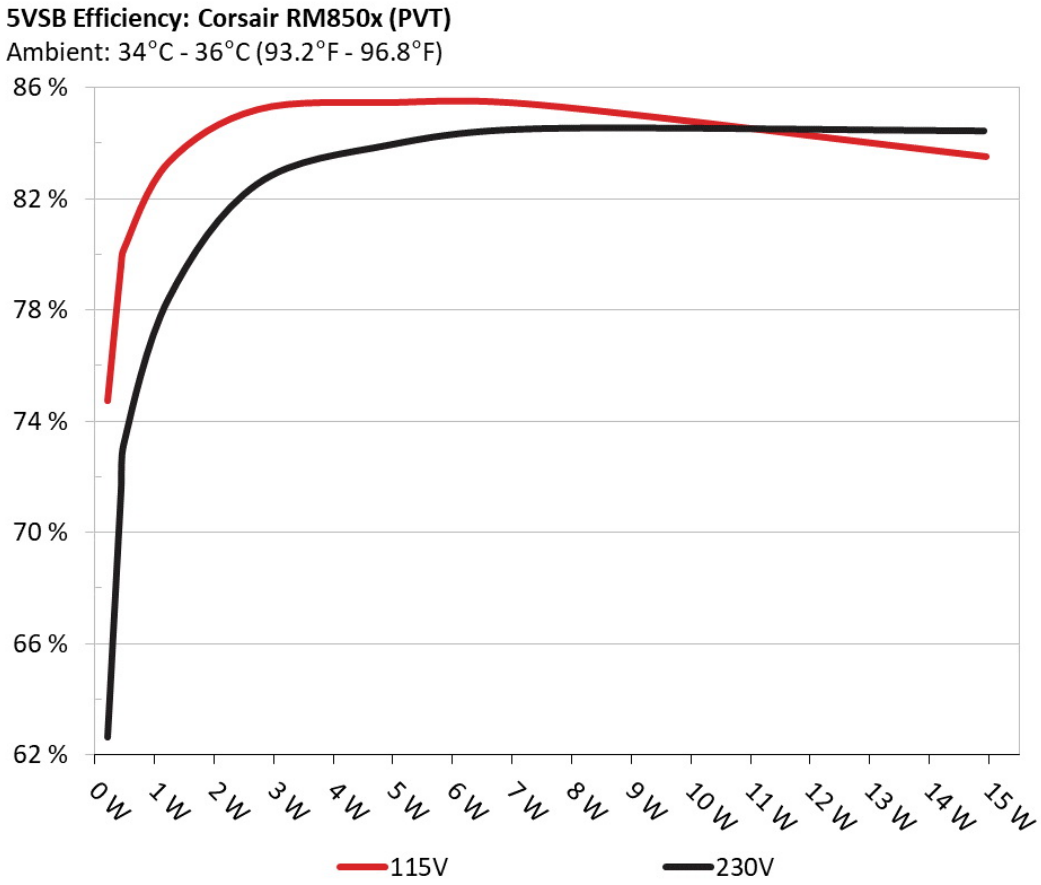
Efficiency under high ambient temperature



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	0.224W	74.247%	0.029
	4.968V	0.302W		114.92V
2	0.09A	0.447W	79.054%	0.054
	4.968V	0.565W		114.94V
3	0.55A	2.733W	84.693%	0.244
	4.969V	3.227W		114.91V
4	1A	4.972W	84.945%	0.324
	4.972V	5.853W		114.9V
5	1.5A	7.462W	84.863%	0.38
	4.974V	8.794W		114.91V
6	3A	14.957W	83.005%	0.453
	4.986V	18.02W		114.9V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.224W	62.152%	0.01
	4.966V	0.363W		229.88V
2	0.09A	0.447W	70.922%	0.018
	4.967V	0.634W		229.88V
3	0.55A	2.732W	82.032%	0.092
	4.967V	3.331W		229.88V
4	1A	4.969W	83.444%	0.154
	4.968V	5.956W		229.88V
5	1.5A	7.454W	84.022%	0.194
	4.969V	8.871W		229.88V
6	3A	14.922W	83.941%	0.3
	4.974V	17.778W		229.88V

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%	5.256A	1.974A	2.005A	1.009A	85.005	85.379%	0	<6.0	44.28°C	0.977
	12.062V	5.065V	3.292V	4.958V	99.563				40.02°C	114.87V
20%	11.533A	2.962A	3.009A	1.212A	169.949	89.467%	0	<6.0	45.11°C	0.989
	12.056V	5.064V	3.29V	4.952V	189.957				40.58°C	114.85V
30%	18.192A	3.456A	3.512A	1.415A	254.957	91.145%	0	<6.0	46.07°C	0.99
	12.032V	5.064V	3.289V	4.946V	279.727				41.02°C	114.82V
40%	24.850A	3.95A	4.015A	1.62A	340.056	91.282%	0	<6.0	47.06°C	0.99
	12.026V	5.064V	3.288V	4.94V	372.527				41.53°C	114.79V
50%	31.148A	4.938A	5.022A	1.824A	424.894	90.951%	0	<6.0	48.08°C	0.992
	12.019V	5.063V	3.286V	4.934V	467.168				42.07°C	114.76V
60%	37.431A	5.929A	6.031A	2A	509.306	90.465%	448	6.6	42.67°C	0.993
	12.012V	5.061V	3.283V	4.933V	562.989				49.19°C	114.72V
70%	43.784A	6.919A	7.041A	2.232A	594.761	89.864%	542	11.0	43.24°C	0.994
	12.005V	5.059V	3.282V	4.929V	661.851				50.27°C	114.71V
80%	50.146A	7.908A	8.05A	2.335A	679.553	89.167%	702	19.9	43.82°C	0.995
	11.998V	5.058V	3.28V	4.925V	762.119				51.87°C	114.66V
90%	56.912A	8.403A	8.541A	2.439A	764.981	88.397%	852	26.3	44.45°C	0.995
	11.992V	5.057V	3.278V	4.921V	865.395				53.54°C	114.63V
100%	63.416A	8.899A	9.064A	3.05A	849.805	87.514%	986	30.8	45.67°C	0.996
	11.986V	5.056V	3.277V	4.919V	971.054				55.72°C	114.59V
110%	69.791A	9.89A	10.168A	3.053A	934.384	86.549%	1115	34.8	46.67°C	0.996
	11.980V	5.055V	3.275V	4.913V	1079.597				57.58°C	114.56V
CL1	0.116A	17.855A	18.225A	0A	151.301	82.555%	450	6.6	43.32°C	0.989
	12.055V	5.057V	3.271V	4.945V	183.271				48.79°C	114.84V

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	19.73A	0A	0A	101.351	82.44%	449	6.6	41.21°C	0.981
	12.063V	5.066V	3.287V	4.953V	122.94				48.22°C	114.87V
CL3	0.115A	0A	20.139A	0A	67.4	76.135%	448	6.6	39.94°C	0.972
	12.062V	5.068V	3.278V	4.954V	88.525				49.03°C	114.88V
CL4	70.858A	0A	0A	0A	849.55	88.4%	1011	31.7	44.48°C	0.995
	11.989V	5.065V	3.289V	4.917V	961.033				55.45°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%	5.256A	1.974A	2.005A	1.009A	85.006	86.334%	0	<6.0	44.57°C	0.84
	12.062V	5.067V	3.292V	4.956V	98.461				40.28°C	229.87V
20%	11.533A	2.961A	3.009A	1.212A	169.954	90.725%	0	<6.0	45.32°C	0.936
	12.057V	5.066V	3.29V	4.95V	187.331				40.76°C	229.86V
30%	18.193A	3.455A	3.512A	1.416A	254.964	92.612%	0	<6.0	46.43°C	0.962
	12.032V	5.065V	3.289V	4.945V	275.304				41.35°C	229.85V
40%	24.850A	3.949A	4.015A	1.62A	340.057	93.109%	0	<6.0	47.49°C	0.973
	12.026V	5.065V	3.288V	4.939V	365.222				41.98°C	229.83V
50%	31.149A	4.937A	5.022A	1.825A	424.905	93.043%	0	<6.0	48.32°C	0.978
	12.019V	5.064V	3.286V	4.933V	456.677				42.23°C	229.82V
60%	37.430A	5.927A	6.031A	2A	509.299	92.787%	450	6.6	42.7°C	0.982
	12.012V	5.062V	3.284V	4.932V	548.893				49.26°C	229.8V
70%	43.787A	6.92A	7.042A	2.232A	594.76	92.444%	542	11.0	43.35°C	0.984
	12.004V	5.059V	3.281V	4.929V	643.373				50.46°C	229.79V
80%	50.152A	7.908A	8.052A	2.335A	679.574	91.99%	702	19.9	43.67°C	0.985
	11.997V	5.057V	3.279V	4.925V	738.743				51.75°C	229.78V
90%	56.918A	8.405A	8.543A	2.439A	764.994	91.541%	851	26.2	44.77°C	0.987
	11.991V	5.056V	3.278V	4.921V	835.683				54.02°C	229.76V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	63.421A	8.901A	9.066A	3.05A	849.81	90.995%	986	30.8	45.78°C	0.988
	11.985V	5.055V	3.276V	4.919V	933.915				55.81°C	229.74V
110%	69.800A	9.892A	10.169A	3.053A	934.389	90.292%	1114	35.5	46.56°C	0.989
	11.979V	5.054V	3.275V	4.914V	1034.844				57.49°C	229.73V
CL1	0.116A	17.862A	18.227A	0A	151.302	83.805%	450	6.6	42.5°C	0.932
	12.054V	5.055V	3.27V	4.946V	180.543				47.95°C	229.86V
CL2	0.116A	19.734A	0A	0A	101.361	83.171%	449	6.6	41.22°C	0.88
	12.062V	5.066V	3.287V	4.954V	121.871				48.38°C	229.87V
CL3	0.115A	0A	20.14A	0A	67.401	76.525%	448	6.6	40.25°C	0.814
	12.061V	5.068V	3.278V	4.954V	88.079				49.49°C	229.88V
CL4	70.862A	0A	0A	0A	849.556	91.735%	1010	31.7	43.79°C	0.988
	11.989V	5.065V	3.289V	4.917V	926.103				54.76°C	229.74V

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	1.236A	0.494A	0.501A	0.2A	19.993	77.207%	0	<6.0	39.64°C	0.801
	12.019V	5.063V	3.293V	4.96V	25.895				36.56°C	114.9V
40W	2.719A	0.691A	0.702A	0.302A	40	82.749%	0	<6.0	40.84°C	0.922
	12.023V	5.064V	3.293V	4.96V	48.339				37.48°C	114.89V
60W	4.201A	0.888A	0.902A	0.403A	60	84.027%	0	<6.0	41.98°C	0.956
	12.028V	5.065V	3.293V	4.959V	71.409				38.34°C	114.89V
80W	5.664A	1.086A	1.102A	0.504A	79.95	85.553%	0	<6.0	43.38°C	0.975
	12.062V	5.065V	3.293V	4.958V	93.455				39.4°C	114.88V

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	1.236A	0.494A	0.501A	0.2A	19.993	76.607%	0	<6.0	39.68°C	0.418
	12.020V	5.065V	3.293V	4.959V	26.065				36.59°C	229.88V
40W	2.718A	0.691A	0.701A	0.302A	40.001	82.482%	0	<6.0	40.43°C	0.627
	12.024V	5.066V	3.293V	4.959V	48.497				37.15°C	229.88V
60W	4.202A	0.888A	0.902A	0.403A	60.001	84.65%	0	<6.0	42.01°C	0.753
	12.028V	5.067V	3.293V	4.958V	70.883				38.53°C	229.88V
80W	5.664A	1.085A	1.102A	0.504A	79.952	86.246%	0	<6.0	42.92°C	0.827
	12.062V	5.067V	3.293V	4.957V	92.702				39.17°C	229.87V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	11.05mV	10.53mV	9.31mV	10.18mV	Pass
20% Load	19.29mV	11.49mV	11.36mV	11.30mV	Pass
30% Load	15.96mV	11.80mV	11.15mV	11.51mV	Pass
40% Load	13.92mV	10.83mV	11.00mV	11.56mV	Pass
50% Load	15.35mV	11.80mV	12.28mV	12.17mV	Pass
60% Load	16.37mV	12.06mV	11.56mV	11.97mV	Pass
70% Load	15.40mV	10.73mV	11.76mV	11.26mV	Pass
80% Load	17.80mV	13.64mV	13.81mV	13.25mV	Pass
90% Load	18.57mV	14.92mV	14.02mV	13.04mV	Pass
100% Load	24.20mV	15.04mV	15.83mV	16.78mV	Pass
110% Load	25.44mV	16.09mV	16.35mV	17.37mV	Pass
Crossload1	19.72mV	14.63mV	16.23mV	14.27mV	Pass
Crossload2	12.94mV	15.58mV	11.97mV	12.43mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	13.35mV	12.36mV	15.86mV	11.97mV	Pass
Crossload4	24.51mV	13.64mV	14.63mV	13.39mV	Pass

The results above are not used in the certification process

230V

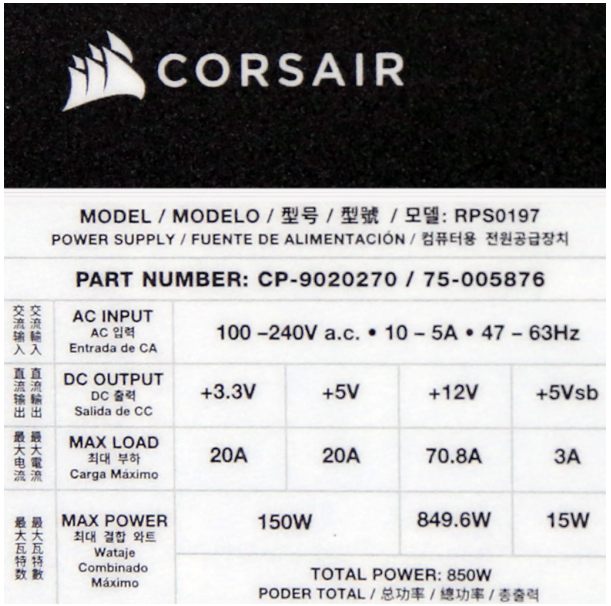
Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.05mV	11.55mV	10.90mV	11.36mV	Pass
20% Load	18.11mV	11.80mV	11.41mV	11.36mV	Pass
30% Load	16.30mV	11.60mV	11.72mV	11.40mV	Pass
40% Load	16.73mV	12.21mV	11.61mV	12.48mV	Pass
50% Load	16.06mV	11.75mV	12.94mV	11.92mV	Pass
60% Load	17.04mV	11.80mV	13.35mV	12.53mV	Pass
70% Load	17.44mV	13.69mV	13.15mV	12.38mV	Pass
80% Load	16.37mV	11.80mV	12.17mV	11.05mV	Pass
90% Load	18.31mV	13.59mV	13.76mV	12.84mV	Pass
100% Load	25.82mV	16.04mV	15.94mV	17.10mV	Pass
110% Load	28.52mV	15.57mV	16.04mV	17.50mV	Pass
Crossload1	19.07mV	14.21mV	15.86mV	13.89mV	Pass
Crossload2	13.56mV	15.48mV	12.53mV	12.84mV	Pass
Crossload3	13.86mV	11.95mV	15.91mV	13.25mV	Pass
Crossload4	25.54mV	13.47mV	13.84mV	13.11mV	Pass

The results above are not used in the certification process

Corsair RM850x (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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