ASUS ROG-STRIX-1200P-GAMING

Serial Number 2O074137128

Lab ID AS12002564

Certification ID 252564

Test Result Report ID: 24PS2564A

Certificate Issue Date: Sep 11, 2024

Scheme: ETA-EMI PSU

115V



230V



115V



230V



Scheme: LAMBDA PSU



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	ASUS
Model	ROG-STRIX-1200P-GAMING
OEM/ODM	Great Wall
Serial Number	2O074137128
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	15-7.5
Rated Frequency (Hz)	47-63

Rated Power (W)	1200
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	135mm Dual Ball Bearing Fan (F1214025BL)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	AS12002564
Date of receipt	Sep 4, 2024
Testing Date	Sep 10, 2024
Report Issued Date	Sep 11, 2024
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	18AWG	No
4+4 pin EPS12V (1000mm)	2	2	18AWG	No
6+2 pin PCIe (750mm)	4	4	18AWG	No
12+4 pin PCIe (745mm) (600W)	1	1	16-24AWG	No
SATA (400mm+120mm+120mm)	2	6	18AWG	No
4-pin Molex (390mm+150mm+150mm)	1	3	18AWG	No

Protection Features(Manufacturer)

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

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	25	25	100	3	0.3
	Watts	130		1200	15	3.6
Total Max. Power (W)		1200				

Parts Description

General Data	
Manufacturer (OEM)	Great Wall
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor SCK205 (5 Ohm @ 25°C) & Relay
Bridge Rectifier(s)	2x Vishay GBUE2560 (600V , 25A @ 140°C)
APFC MODFETs	1x Transphorm TP65H035G4WS (650V, 29.5A @ 100°C, Rds(on): 0.41Ohm)
APFC Boost Diode	1x CREE C3D16065 (650V, 16A @ 142°C)
Bulk Cap(s)	1x Rubycon (420V, 470uF , 3000h @ 105°C, MXK) & 1x Rubycon (420V , 820uF , 3000h @ 105°C, MXT)

Main Switchers	2x Rohm Semiconductor R6055VNZ4 (600V, 55A @ 25°C, Rds(on): 0.08Ohm)
APFC Controller	1x Champion CM6502UHHX & 1x Champion CM03X (reduce the no-load consumption)
Resonant Controller	1x Champion 6901X
IC DRIVER	1x Novosense NSi6602
Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	6x Infineon BSC014N04LS (40V, 100A @ 100°C, Rds(on): 1.4mOhm)
5V & 3.3V	DC-DC Converters: 4x GP4A24 PWM Controller(s): 1x ANPECAPW7159C
Filtering Capacitors	Electrolytic: 1x Rubycon (4-10,000 @ 105°C, YXJ), 1x Rubycon (3-6,000 @ 105°C, YXT), 1x Rubycon (3-6,000 @ 105°C,YXG), 1x Rubycon (2-10,000 @ 105°C, YXF), 4x Nichicon (6-10000 @ 105°C, HW), Polymer: 35x FPCAP , 7x Nippon Chemi-Con
Supervisor IC	Weltrend WT7881P
Fan Controller	AS358M
Fan Model	EVERFLOW F1214025BL (135mm, 12V, 0.2A , Double Ball Bearing Fan)
5VSB Circuit	
High Side Rectifier	1x ER2J (600V, 2A @ 100°C)
Standby PWM Controller	Power Integrations TNY278PN

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)	90.016%
Average Noise Output (>1450 Load Combinations)	23.17dBA
Average PF (>1450 Load Combinations)	0.990
Efficiency With 10W (≤500W) or 2% (>500W) Load	74.747%
Standby Power Consumption	0.0770W
Non-Accredited	
12V Ripple (Full Load)	24.55mV
5V Ripple (Full Load)	17.43mV
3.3V Ripple (Full Load)	20.79mV
5VSB Ripple (Full Load)	17.68mV
12V Load Regulation	0.24%
5V Load Regulation	0.63%
3.3V Load Regulation	0.79%
5VSB Load Regulation	3.94%
Inrush Current	181.000A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.787%
Average Noise Output (>1450 Load Combinations)	23.14dBA
Average PF (>1450 Load Combinations)	0.965
Efficiency With 10W (≤500W) or 2% (>500W) Load	-
Standby Power Consumption	0.1531W
Non-Accredited	
12V Ripple (Full Load)	26.01mV
5V Ripple (Full Load)	16.61mV
3.3V Ripple (Full Load)	21.25mV

5VSB Ripple (Full Load)		17.17mV
12V Load Regulation		0.44%
5V Load Regulation		0.65%
3.3V Load Regulation		0.82%
5VSB Load Regulation		3.88%
Inrush Current		151.700A
12V Transient Response (200%)		11.22V
5V Transient Response (200%)		4.925V
3.3V Transient Response (200%)		3.136V
5VSB Transient Response (200%)		5.005V
Hold-Up Time & PWR_OK Signal		18.70ms
AC Loss to PWR_OK Hold Up Time		18.70ms
PWR_OK Inactive to DC Loss Delay		0.00ms
PSU Timings: T1 (20% / 100%)	50.0ms	49.0ms
PSU Timings: T3 (20% / 100%)	125.0ms	125.0ms
12V OCP (29.4°C / 45.4°C)	132.80A (132.80%), 12.073V	128.60A (128.60%), 12.080V
5V OCP (29.4°C / 45.4°C)	34.5A (138.00%), 5.027V	34.3A (137.20%), 5.031V
3.3V OCP (29.4°C / 45.4°C)	34.6A (138.40%), 3.274V	34.7A (138.80%), 3.274V
5VSB OCP (29.4°C / 45.4°C)	5.8A (193.33%), 5.007V	5.7A (190.00%), 5.003V
OPP (30.61°C / 42.19°C)	130.76%	126.01%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	18.7
AC Loss to PWR_OK Hold Up Time (ms)	18.7
PWR_OK Inactive to DC Loss Delay (ms)	0

Vampire Power

Tables

115V

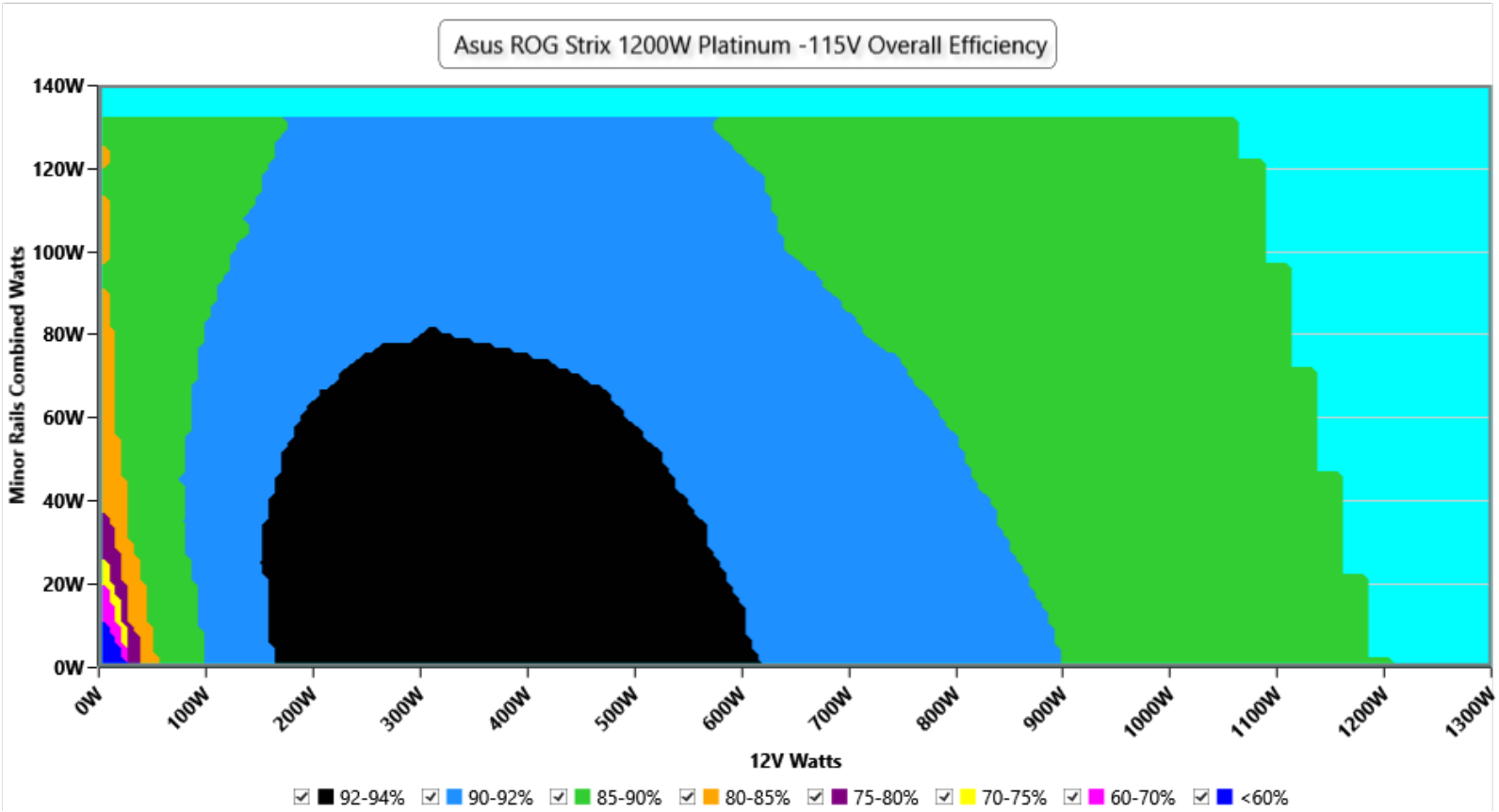
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.07 V	115.04 V	113.85 V	115.11 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.18 %	2.00 %	PASS
Real Power:	0.077 W	0.052 W	N/A	0.107 W	N/A	N/A
Apparent Power:	12.247 W	11.906 W	N/A	12.598 W	N/A	N/A
Power Factor:	0.005	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.02 V	230.93 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:	0.153 W	0.102 W	N/A	0.266 W	N/A	N/A
Apparent Power:	40.995 W	40.168 W	N/A	41.813 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

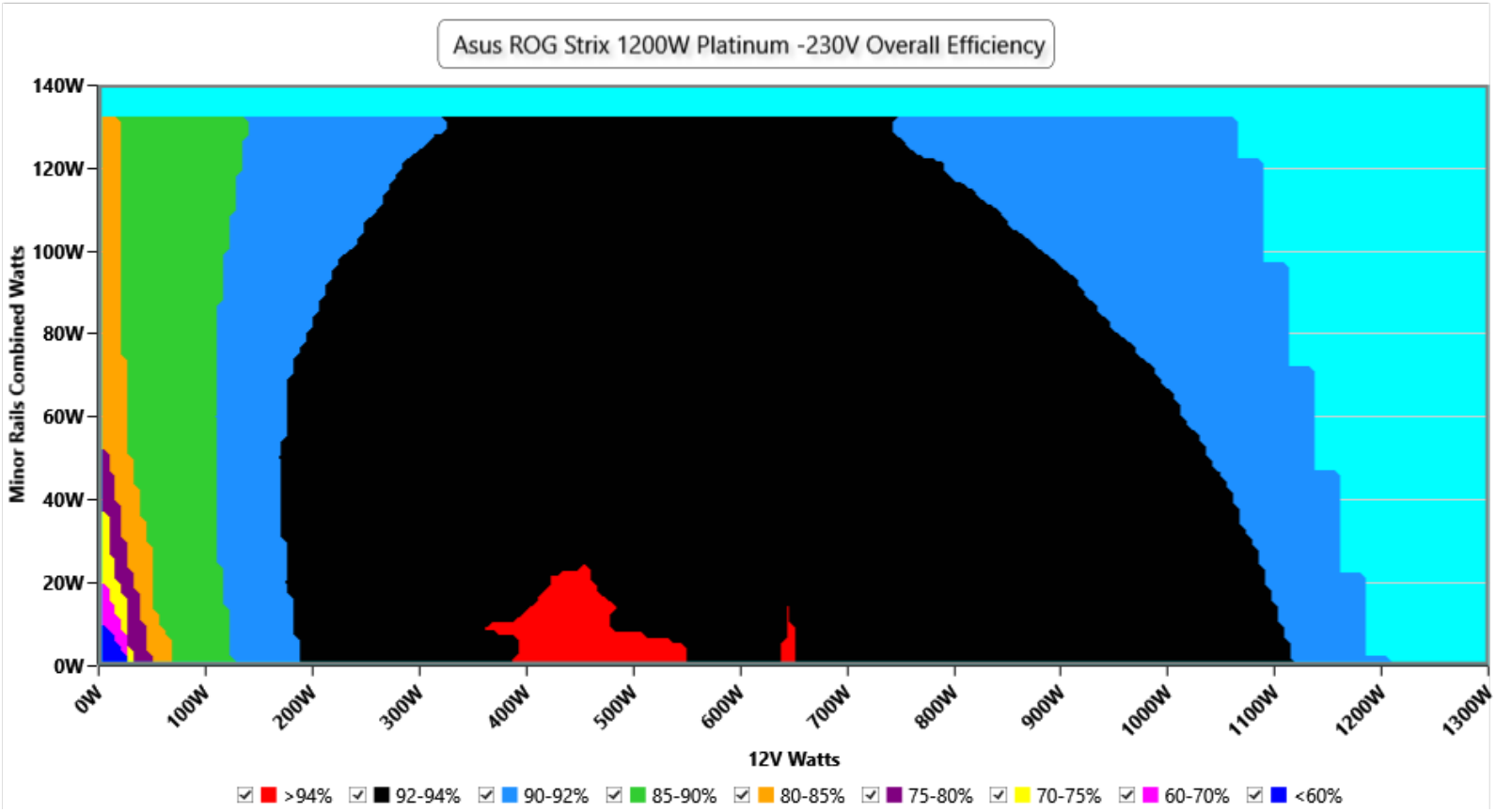
115V



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

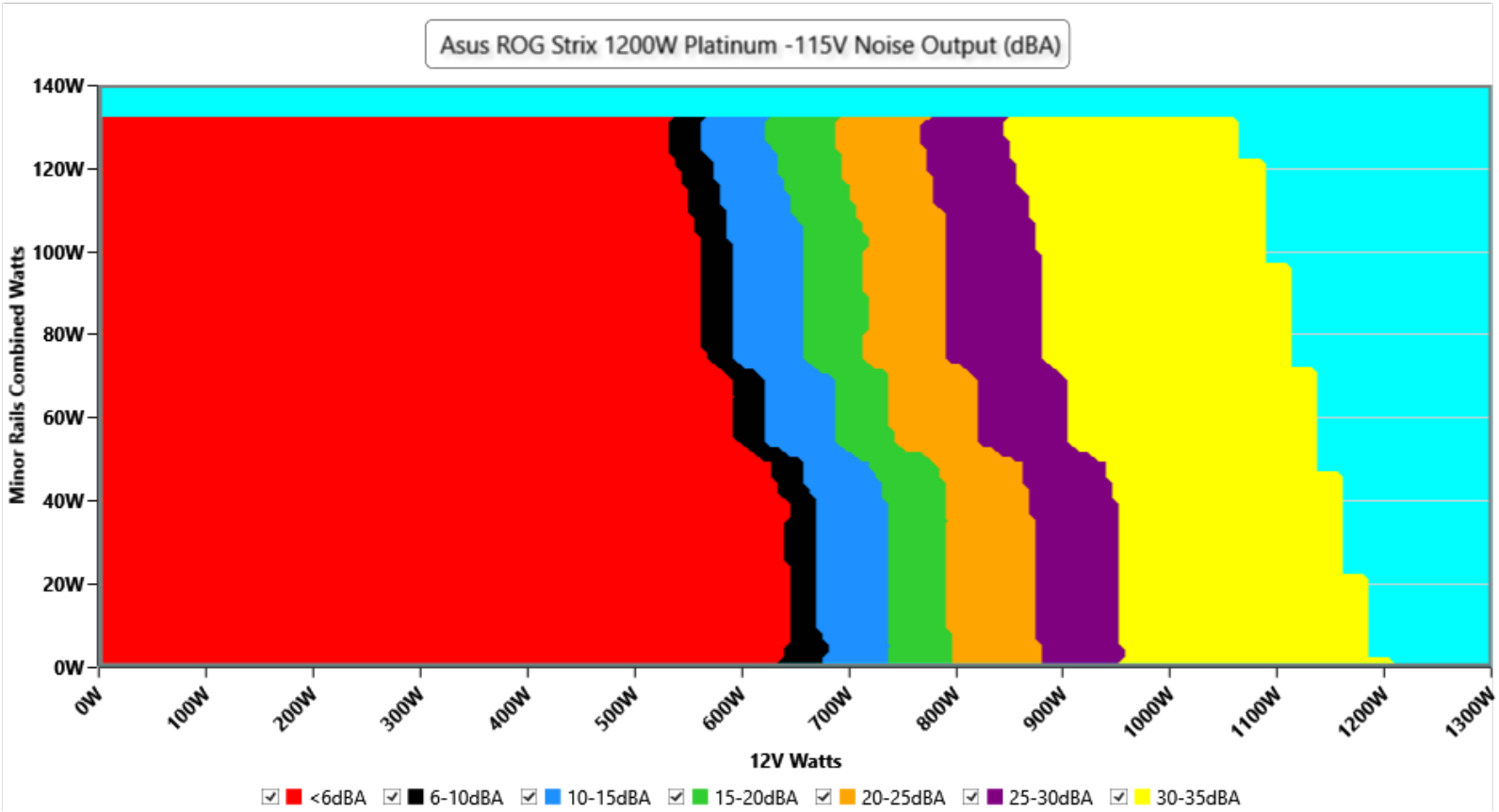


INFO

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Noise Graph

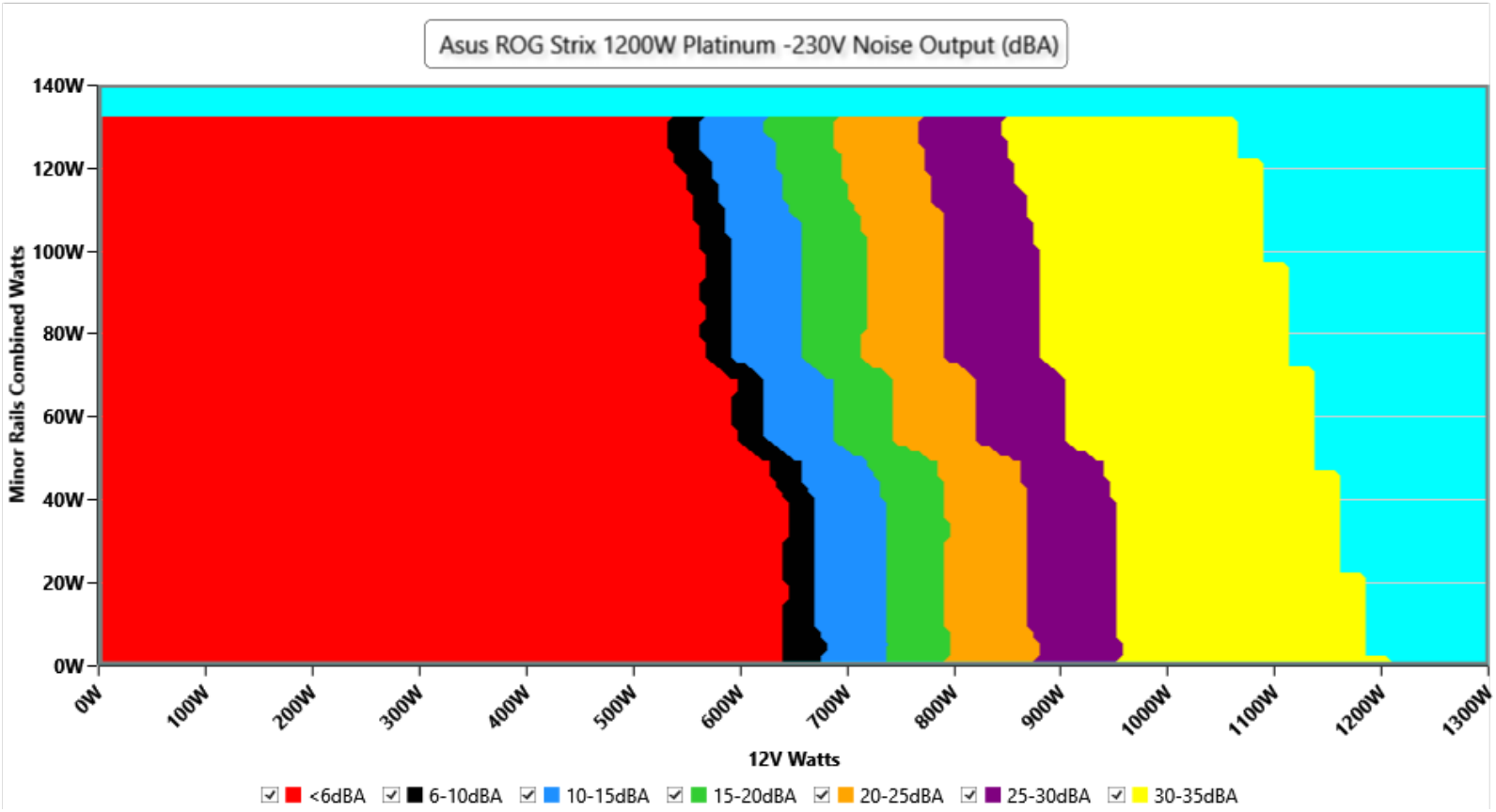
115V



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) · 31.8 °C	0 RPM · <6.0 dB(A) · 44.3 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 34.5 °C	0 RPM · <6.0 dB(A) · 44.2 °C	fan off in both
50%	328 RPM · <6.0 dB(A) · 30.3 °C	340 RPM · <6.0 dB(A) · 42.4 °C	fan off in both
100%	1218 RPM · 35.4 dB(A) · 30.8 °C	1225 RPM · 35.5 dB(A) · 45.2 °C	**+0.1 dB(A)**

230V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 33.0 °C	0 RPM · <6.0 dB(A) · 42.9 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 33.1 °C	0 RPM · <6.0 dB(A) · 43.0 °C	fan off in both
50%	328 RPM · <6.0 dB(A) · 30.9 °C	410 RPM · <6.0 dB(A) · 42.5 °C	fan off in both
100%	1217 RPM · 35.4 dB(A) · 30.6 °C	1227 RPM · 35.5 dB(A) · 45.5 °C	**+0.1 dB(A)**

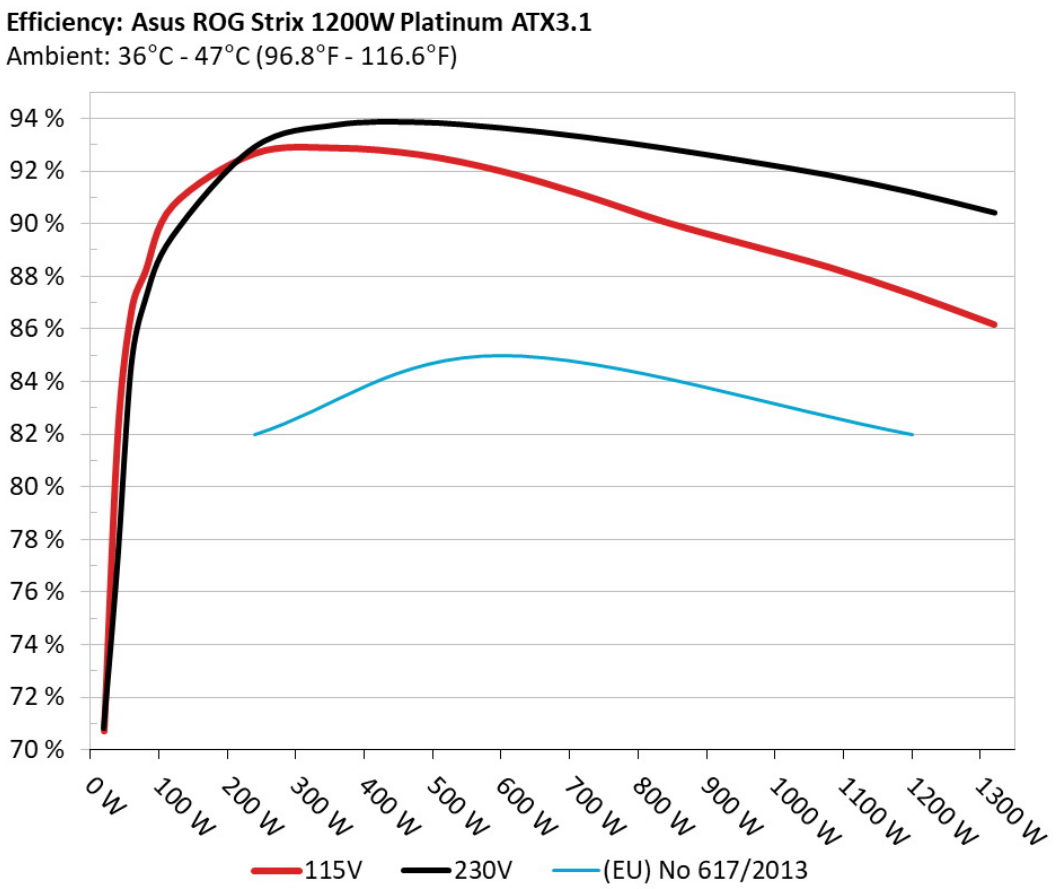
INFO

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

Informational. Not part of the ETA or LAMBDA rating.

Indicative Performance

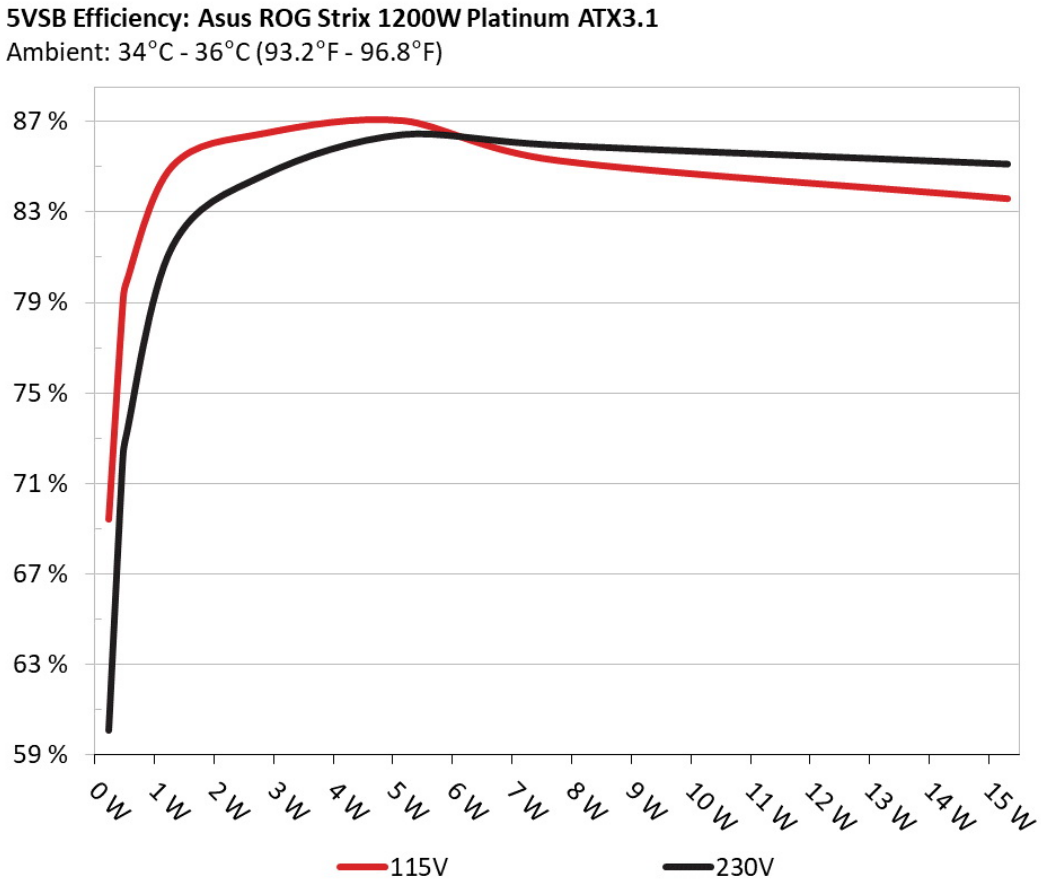
Efficiency under high ambient temperature



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**	0.234W	68.921%	0.029
	5.2V	0.34W		114.93V
2	**0.09A**	0.468W	78.383%	0.05
	5.198V	0.597W		114.93V
3	**0.55A**	2.851W	85.991%	0.232
	5.183V	3.315W		114.92V
4	**1A**	5.169W	86.547%	0.334
	5.168V	5.972W		114.92V
5	**1.5A**	7.73W	84.797%	0.391
	5.152V	9.116W		114.92V
6	**3A**	15.303W	83.098%	0.476
	5.101V	18.415W		114.91V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.234W	59.583%	0.009
	5.2V	0.395W		229.89V
2	**0.09A**	0.468W	71.545%	0.015
	5.198V	0.656W		229.89V
3	**0.55A**	2.851W	84.147%	0.077
	5.183V	3.39W		229.89V
4	**1A**	5.169W	85.921%	0.131
	5.169V	6.017W		229.89V
5	**1.5A**	7.73W	85.454%	0.185
	5.153V	9.047W		229.89V
6	**3A**	15.306W	84.62%	0.298
	5.102V	18.088W		229.89V

Protection Features

OCP (Normal @ 29.4°C)	12V: 132.80A (132.80%), 12.073V 5V: 34.5A (138.00%), 5.027V 3.3V: 34.6A (138.40%), 3.274V 5VSB: 5.8A (193.33%), 5.007V
OCP (Hot @ 45.4°C)	12V: 128.60A (128.60%), 12.080V 5V: 34.3A (137.20%), 5.031V 3.3V: 34.7A (138.80%), 3.274V 5VSB: 5.7A (190.00%), 5.003V
OPP (Normal @ 30.6°C)	1569.12W (130.76%)
OPP (Hot @ 42.2°C)	1512.14W (126.01%)
OTP	✓ (110°C @ Heat Sink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	PWR_OK inactive to DC loss delay <=1ms
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%	**8.138A**	**1.958A**	**2.002A**	**0.969A**	120.003	90.686%	0	<6.0	44.27°C	0.979
	12.093V	5.106V	3.297V	5.162V	132.33				40.43°C	114.87V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20%	**17.292A**	**2.94A**	**3.005A**	**1.166A**	239.965	92.671%	0	<6.0	44.21°C	0.979
	12.090V	5.103V	3.294V	5.146V	258.943				40.52°C	114.83V
30%	**26.736A**	**3.431A**	**3.508A**	**1.365A**	359.212	92.878%	0	<6.0	45.71°C	0.987
	12.087V	5.101V	3.293V	5.129V	386.762				41.13°C	114.79V
40%	**36.276A**	**3.922A**	**4.012A**	**1.565A**	479.578	92.631%	0	<6.0	45.75°C	0.991
	12.084V	5.1V	3.291V	5.112V	517.732				41.83°C	114.75V
50%	**45.424A**	**4.907A**	**5.02A**	**1.767A**	599.331	92.006%	340	<6.0	42.41°C	0.994
	12.082V	5.095V	3.287V	5.095V	651.399				57.15°C	114.7V
60%	**54.639A**	**5.895A**	**6.03A**	**1.97A**	719.847	91.099%	528	9	42.79°C	0.995
	12.080V	5.09V	3.284V	5.077V	790.184				58.22°C	114.66V
70%	**63.792A**	**6.883A**	**7.042A**	**2.174A**	839.568	90.067%	727	19.3	43.2°C	0.996
	12.078V	5.086V	3.281V	5.059V	932.162				59.04°C	114.62V
80%	**73.023A**	**7.87A**	**8.054A**	**2.28A**	959.568	89.205%	950	27.8	43.93°C	0.997
	12.075V	5.082V	3.278V	5.044V	1075.679				58.57°C	114.57V
90%	**82.584A**	**8.366A**	**8.548A**	**2.386A**	1079.358	88.346%	1156	34.3	44.75°C	0.997
	12.071V	5.079V	3.276V	5.029V	1221.743				59.44°C	114.52V
100%	**91.955A**	**8.862A**	**9.073A**	**3.001A**	1199.397	87.324%	1225	35.5	45.2°C	0.998
	12.068V	5.077V	3.274V	4.998V	1373.504				62.66°C	114.46V
110%	**101.248A**	**9.853A**	**10.181A**	**3.009A**	1320.006	86.171%	1348	36.4	46.8°C	0.998
	12.066V	5.074V	3.271V	4.985V	1531.851				66.55°C	114.4V
CL1	**0.116A**	**15.424A**	**15.737A**	**0A**	131.303	84.363%	462	<6.0	40.46°C	0.982
	12.110V	5.076V	3.279V	5.184V	155.643				50.41°C	114.86V
CL2	**0.116A**	**24.639A**	**0A**	**0A**	126.244	82.295%	588	11.9	40.94°C	0.982
	12.107V	5.067V	3.293V	5.188V	153.406				54.37°C	114.86V
CL3	**0.114A**	**0A**	**25.173A**	**0A**	83.897	77.581%	642	15.5	40.22°C	0.969
	12.105V	5.106V	3.277V	5.188V	108.142				49.86°C	114.88V
CL4	**99.475A**	**0A**	**0A**	**0A**	1199.964	88.005%	1231	35.6	45.98°C	0.997
	12.063V	5.101V	3.287V	5.101V	1363.525				58.26°C	114.48V

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	**8.136A**	**1.958A**	**2.002A**	**0.969A**	120.007	89.505%	0	<6.0	42.88°C	0.883
	12.094V	5.107V	3.297V	5.163V	134.079				40.47°C	229.87V
20%	**17.286A**	**2.939A**	**3.005A**	**1.166A**	239.973	92.908%	0	<6.0	42.98°C	0.946
	12.094V	5.104V	3.294V	5.146V	258.291				40.51°C	229.85V
30%	**26.731A**	**3.43A**	**3.508A**	**1.365A**	359.233	93.75%	0	<6.0	44.02°C	0.967
	12.090V	5.102V	3.293V	5.129V	383.184				41.14°C	229.83V
40%	**36.272A**	**3.923A**	**4.012A**	**1.565A**	479.601	93.852%	327	<6.0	41.55°C	0.974
	12.086V	5.099V	3.29V	5.113V	511.017				54.51°C	229.81V
50%	**45.423A**	**4.908A**	**5.021A**	**1.766A**	599.351	93.639%	410	<6.0	42.47°C	0.98
	12.083V	5.094V	3.287V	5.096V	640.067				56.17°C	229.79V
60%	**54.643A**	**5.894A**	**6.031A**	**1.969A**	719.868	93.292%	561	10.2	42.91°C	0.984
	12.079V	5.09V	3.284V	5.078V	771.626				56.9°C	229.77V
70%	**63.803A**	**6.883A**	**7.043A**	**2.174A**	839.587	92.861%	727	19.3	43.2°C	0.986
	12.076V	5.086V	3.28V	5.061V	904.137				56.79°C	229.75V
80%	**73.038A**	**7.87A**	**8.056A**	**2.279A**	959.584	92.366%	950	27.8	43.92°C	0.988
	12.072V	5.082V	3.277V	5.046V	1038.887				56.55°C	229.73V
90%	**82.605A**	**8.366A**	**8.551A**	**2.385A**	1079.375	91.836%	1157	34.3	44.36°C	0.989
	12.068V	5.079V	3.275V	5.032V	1175.327				56.56°C	229.7V
100%	**91.980A**	**8.863A**	**9.076A**	**3A**	1199.421	91.185%	1227	35.5	45.49°C	0.991
	12.065V	5.077V	3.273V	5.001V	1315.365				59.03°C	229.68V
110%	**101.279A**	**9.854A**	**10.185A**	**3.007A**	1320.017	90.413%	1338	35.9	46.6°C	0.992
	12.062V	5.073V	3.27V	4.988V	1459.984				61.88°C	229.66V
CL1	**0.116A**	**15.42A**	**15.737A**	**0A**	131.304	83.721%	457	<6.0	40.03°C	0.911
	12.113V	5.077V	3.279V	5.184V	156.836				52.75°C	229.86V
CL2	**0.116A**	**24.63A**	**0A**	**0A**	126.246	81.573%	587	11.9	40.4°C	0.908
	12.111V	5.069V	3.293V	5.188V	154.766				49.99°C	229.86V
CL3	**0.114A**	**0A**	**25.168A**	**0A**	83.898	76.461%	643	15.5	40.65°C	0.851
	12.102V	5.105V	3.278V	5.188V	109.722				48.22°C	229.87V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL4	**99.495A**	**0A**	**0A**	**0A**	1199.963	91.725%	1231	35.6	45.67°C	0.99
	12.060V	5.099V	3.286V	5.103V	1308.227				56.08°C	229.68V

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	**1.228A**	**0.489A**	**0.5A**	**0.193A**	20.004	70.717%	0	<6.0	37.93°C	0.857
	12.088V	5.109V	3.3V	5.195V	28.289				36.01°C	114.91V
40W	**2.703A**	**0.685A**	**0.7A**	**0.289A**	40.004	82.052%	0	<6.0	40.19°C	0.924
	12.096V	5.109V	3.299V	5.19V	48.754				37.27°C	114.89V
60W	**4.178A**	**0.881A**	**0.9A**	**0.386A**	60.003	86.711%	0	<6.0	40.92°C	0.959
	12.095V	5.109V	3.299V	5.186V	69.2				38.04°C	114.89V
80W	**5.649A**	**1.077A**	**1.1A**	**0.483A**	79.953	88.168%	0	<6.0	42.37°C	0.965
	12.094V	5.109V	3.299V	5.181V	90.685				39.11°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	**1.226A**	**0.489A**	**0.5A**	**0.193A**	20.002	70.827%	0	<6.0	38.95°C	0.473
	12.118V	5.11V	3.3V	5.195V	28.239				36.33°C	229.89V
40W	**2.700A**	**0.685A**	**0.7A**	**0.289A**	40.003	77.09%	0	<6.0	39°C	0.672
	12.106V	5.11V	3.3V	5.19V	51.893				37.04°C	229.88V
60W	**4.180A**	**0.881A**	**0.9A**	**0.386A**	60.005	84.559%	0	<6.0	39.87°C	0.766
	12.089V	5.109V	3.299V	5.186V	70.961				38.38°C	229.88V
80W	**5.652A**	**1.077A**	**1.1A**	**0.483A**	79.96	87.049%	0	<6.0	41.97°C	0.819
	12.090V	5.109V	3.299V	5.181V	91.856				39.5°C	229.88V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	14.1 mV	13.6 mV	16.5 mV	12.7 mV	Pass
20% Load	14.5 mV	15.0 mV	17.2 mV	14.1 mV	Pass
30% Load	14.5 mV	13.4 mV	17.1 mV	12.9 mV	Pass
40% Load	16.3 mV	14.4 mV	17.7 mV	13.1 mV	Pass
50% Load	16.4 mV	14.7 mV	16.6 mV	14.7 mV	Pass
60% Load	16.5 mV	14.1 mV	17.2 mV	14.0 mV	Pass
70% Load	17.7 mV	14.2 mV	17.9 mV	16.2 mV	Pass
80% Load	19.4 mV	15.1 mV	18.9 mV	14.6 mV	Pass
90% Load	21.3 mV	15.2 mV	19.0 mV	15.8 mV	Pass
100% Load	24.6 mV	17.4 mV	20.8 mV	17.7 mV	Pass
110% Load	25.9 mV	16.0 mV	21.0 mV	18.5 mV	Pass
Crossload 1	27.3 mV	16.2 mV	24.0 mV	13.4 mV	Pass
Crossload 2	21.3 mV	23.5 mV	25.0 mV	12.5 mV	Pass
Crossload 3	18.5 mV	14.3 mV	23.3 mV	13.7 mV	Pass
Crossload 4	22.5 mV	15.1 mV	18.6 mV	14.4 mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	16.9 mV	14.4 mV	17.0 mV	12.9 mV	Pass
20% Load	15.9 mV	14.9 mV	17.4 mV	13.4 mV	Pass
30% Load	15.6 mV	16.0 mV	17.7 mV	14.2 mV	Pass
40% Load	15.3 mV	15.1 mV	17.9 mV	14.1 mV	Pass
50% Load	15.6 mV	14.7 mV	18.2 mV	14.0 mV	Pass
60% Load	16.3 mV	15.1 mV	17.4 mV	14.2 mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
70% Load	17.9 mV	14.8 mV	17.8 mV	14.7 mV	Pass
80% Load	21.5 mV	14.9 mV	18.8 mV	15.9 mV	Pass
90% Load	21.4 mV	16.1 mV	18.6 mV	15.6 mV	Pass
100% Load	26.0 mV	16.6 mV	21.3 mV	17.2 mV	Pass
110% Load	26.9 mV	16.9 mV	22.3 mV	16.9 mV	Pass
Crossload 1	29.1 mV	17.6 mV	23.4 mV	13.8 mV	Pass
Crossload 2	74.0 mV	23.5 mV	19.9 mV	13.3 mV	Pass
Crossload 3	18.8 mV	15.3 mV	23.3 mV	13.0 mV	Pass
Crossload 4	23.3 mV	16.0 mV	18.9 mV	15.4 mV	Pass

The results above are not used in the certification process

ASUS ROG-STRIX-1200P-GAMING



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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

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com