



ASUS PRIME 850G

Serial Number -

Lab ID AS85003116

Certification ID 263116

Test Result Report ID: 26PS3116A

Certificate Issue Date: Feb 27, 2026

115V



230V



Scheme: ETA-EMI PSU

115V



230V



Scheme: LAMBDA PSU



PASS

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	ASUS
Model	PRIME 850G
OEM/ODM	CWT (GPX)
Serial Number	-
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12

Rated Frequency (Hz)	47-63
Rated Power (W)	850
Operating Temperature (Continuous Full Load) (°C)	0 - 40
Type	ATX12V
Cable Design	Fully Modular
Warranty	8 years
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 150mm
Weight	1.50 kg (3.31 lb)
Cooling	135mm Dual Ball Bearing Fan (ZFB132512H)
Semi-Passive Operation	X
Cybenetics Testing Information	
Lab ID	AS85003116
Date of receipt	Jan 8, 2026
Testing Date	Feb 24, 2026
Report Issued Date	Feb 27, 2026
DUT Notes	Some protection features need adjustment. Update - July 14, 2026: The protection features have been retested and updated.
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	Cable Type
ATX connector 20+4 pin (600mm)	1	1	18-20AWG	Tinned Copper
4+4 pin EPS12V (650mm+150mm)	1	2	18AWG	Tinned Copper
6+2 pin PCIe (600mm)	1	1	18AWG	Tinned Copper
6+2 pin PCIe (600mm+150mm)	1	2	18AWG	Tinned Copper
12+4 pin PCIe (700mm) (600W)	1	1	16-24AWG	Tinned Copper
SATA (400mm+120mm+120mm)	1	3	18AWG	Tinned Copper

Modular Cables				
SATA (400mm+120mm)	1	2	18AWG	Tinned Copper
4-pin Molex (400mm+150mm+150mm+150mm)	1	4	18AWG	Tinned Copper

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	20	20	70.5	2.5	0.3
	Watts	110		846	12.5	3.6
Total Max. Power (W)		850				

Parts Description

General Data	
Manufacturer (OEM)	CWT
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor SCK-056 (5 Ohm @ 20°C) & Relay
Bridge Rectifier	1x NIUSABOU GBU1506 (1000V, 15A @ 100°C)
APFC MOSFETs	1x CRMicro CRJF99N65G2BF (650V, 20A @ 100°C, Rds(on): 90mOhm)
APFC Boost Diode	1x CRMicro CRXI06D065G2 (650V, 6A @ 167°C)
Bulk Cap(s)	1x Elite (420V, 560uF, 2,000h @ 105°C, PL)
Main Switchers	4x Huajing Discrete Devices CS20N60F (600V, 14A @ 100°C, Rds(on): 0.36Ohm)

APFC Controller	Champion CM6500UNIX Sync Power SPN5003 (reducing no load consumption)
Resonant Controller	Champion CM6901X
Topology	Primary Side: APFC, Full-Bridge & LLC converter Secondary Side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	6x CMR013N045NS
5V & 3.3V	DC-DC Converters: 4x UBIQ Semiconductor Corp.QN3107M6N (30V, 74A @ 100°C, Rds(on): 2.6mOhm) PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic: 3x Elite (4-10000 @ 105°C, EY) 7x Elite (2-5000h @ 105°C, ED) 2x Elite (5000 @ 105°C, PF) Polymer: 10x Elite, 19x TEAPO
Supervisor IC	IN1S429I-DCG
FanPower Switch	Unisonic Technologies Co. 2SA928A Transistor
Fan Model	ZIC ZFB132512H (135mm, 12V, 0.45A, Double Ball Bearing Fan)
5VSB Circuit	
Rectifier	Semi Power ES3GBF (280V, 3A @100°C)
Standby PWM Controller	Power Integrations TNY287PG

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	✓
Conducted Emissions EN 55032 & CISPR 32	Passed

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	88.879%
Average Noise Output (>1450 Load Combinations)	39.27dBA
Average PF (>1450 Load Combinations)	0.979
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	67.307%
Standby Power Consumption	0.0356W
Non-Accredited	
12V Ripple (Full Load)	28.39mV
5V Ripple (Full Load)	17.32mV
3.3V Ripple (Full Load)	17.95mV
5VSB Ripple (Full Load)	21.53mV
12V Load Regulation	1.05%
5V Load Regulation	2.03%
3.3V Load Regulation	3.45%
5VSB Load Regulation	3.58%
Inrush Current	33.660A

230V

Accredited	
Average Efficiency (>1450 load combinations)	90.733%
Average Noise Output (>1450 Load Combinations)	39.06dBA
Average PF (>1450 Load Combinations)	0.936
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	67.089%
Standby Power Consumption	0.0980W
Non-Accredited	
12V Ripple (Full Load)	28.50mV
5V Ripple (Full Load)	16.91mV
3.3V Ripple (Full Load)	18.05mV

5VSB Ripple (Full Load)	21.64mV	
12V Load Regulation	1.04%	
5V Load Regulation	2.03%	
3.3V Load Regulation	3.42%	
5VSB Load Regulation	3.58%	
Inrush Current	66.120A	
12V Transient Response (200%)	11.43V	
5V Transient Response (200%)	4.994V	
3.3V Transient Response (200%)	3.144V	
5VSB Transient Response (200%)	4.935V	
Hold-Up Time & PWR_OK Signal	20.20ms	
AC Loss to PWR_OK Hold Up Time	18.90ms	
PWR_OK Inactive to DC Loss Delay	1.30ms	
PSU Timings: T1 (20% / 100%)	24.0ms	23.0ms
PSU Timings: T3 (20% / 100%)	128.0ms	129.0ms
12V OCP (30.1°C / 42.9°C)	89.80A (127.38%), 11.991V	86.10A (122.13%), 11.997V
5V OCP (30.1°C / 42.9°C)	25.8A (129.00%), 5.108V	24.8A (124.00%), 5.112V
3.3V OCP (30.1°C / 42.9°C)	29A (145.00%), 3.273V	28.2A (141.00%), 3.272V
5VSB OCP (30.1°C / 42.9°C)	3.6A (144.00%), 5.021V	3.7A (148.00%), 5.011V
OPP (28.39°C / 44.02°C)	125.48%	118.83%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	20.2
AC Loss to PWR_OK Hold Up Time (ms)	18.9
PWR_OK Inactive to DC Loss Delay (ms)	1.3

Vampire Power

Tables

115V

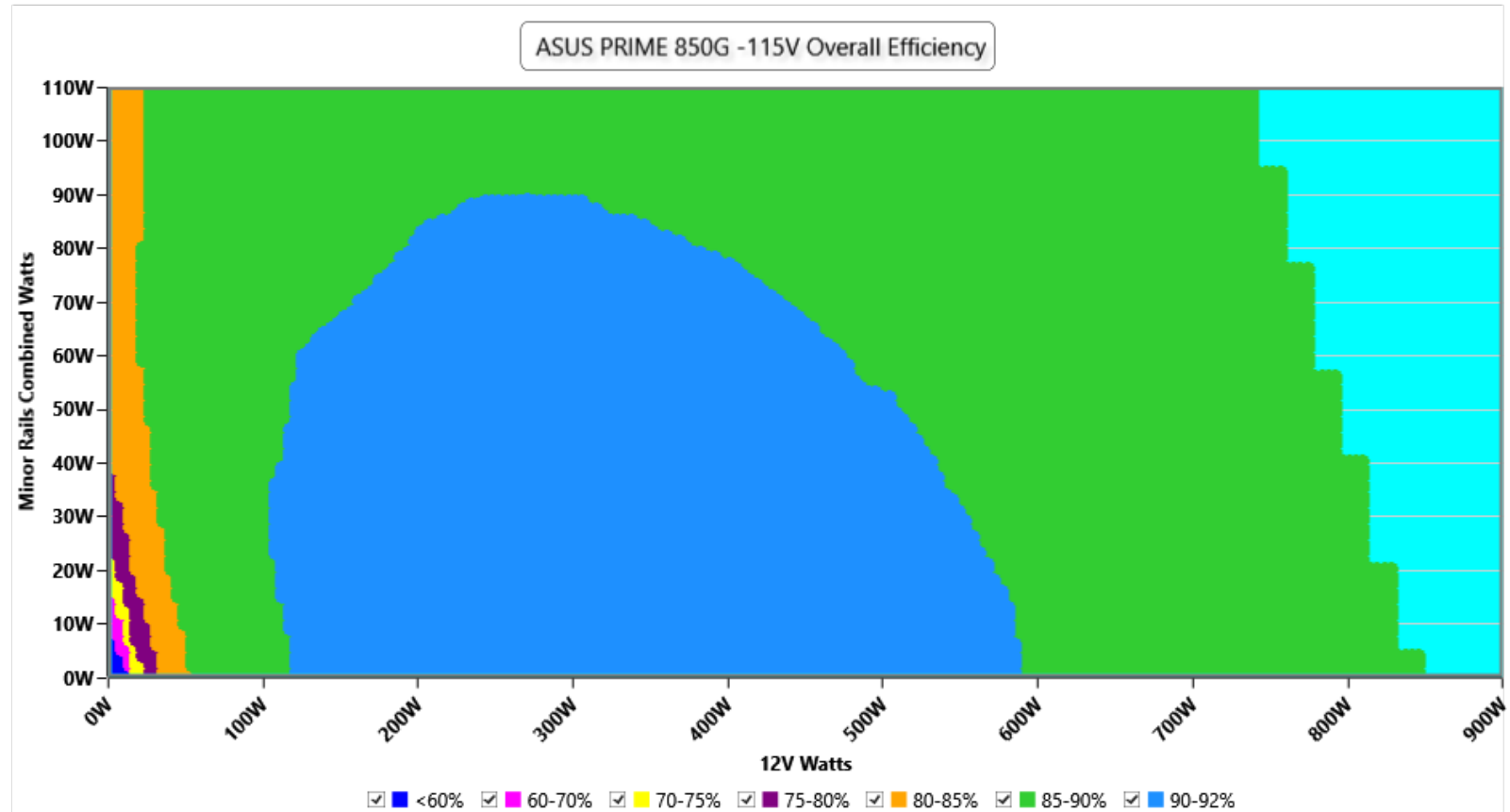
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.03 V	115.01 V	113.85 V	115.05 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.93 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.13 %	0.11 %	N/A	0.15 %	2.00 %	PASS
Real Power:	0.036 W	-0.003 W	N/A	0.070 W	N/A	N/A
Apparent Power:	10.335 W	10.315 W	N/A	10.355 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.09 V	230.06 V	227.70 V	230.10 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	50.00 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:	0.098 W	0.058 W	N/A	0.177 W	N/A	N/A
Apparent Power:	33.843 W	33.806 W	N/A	33.878 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

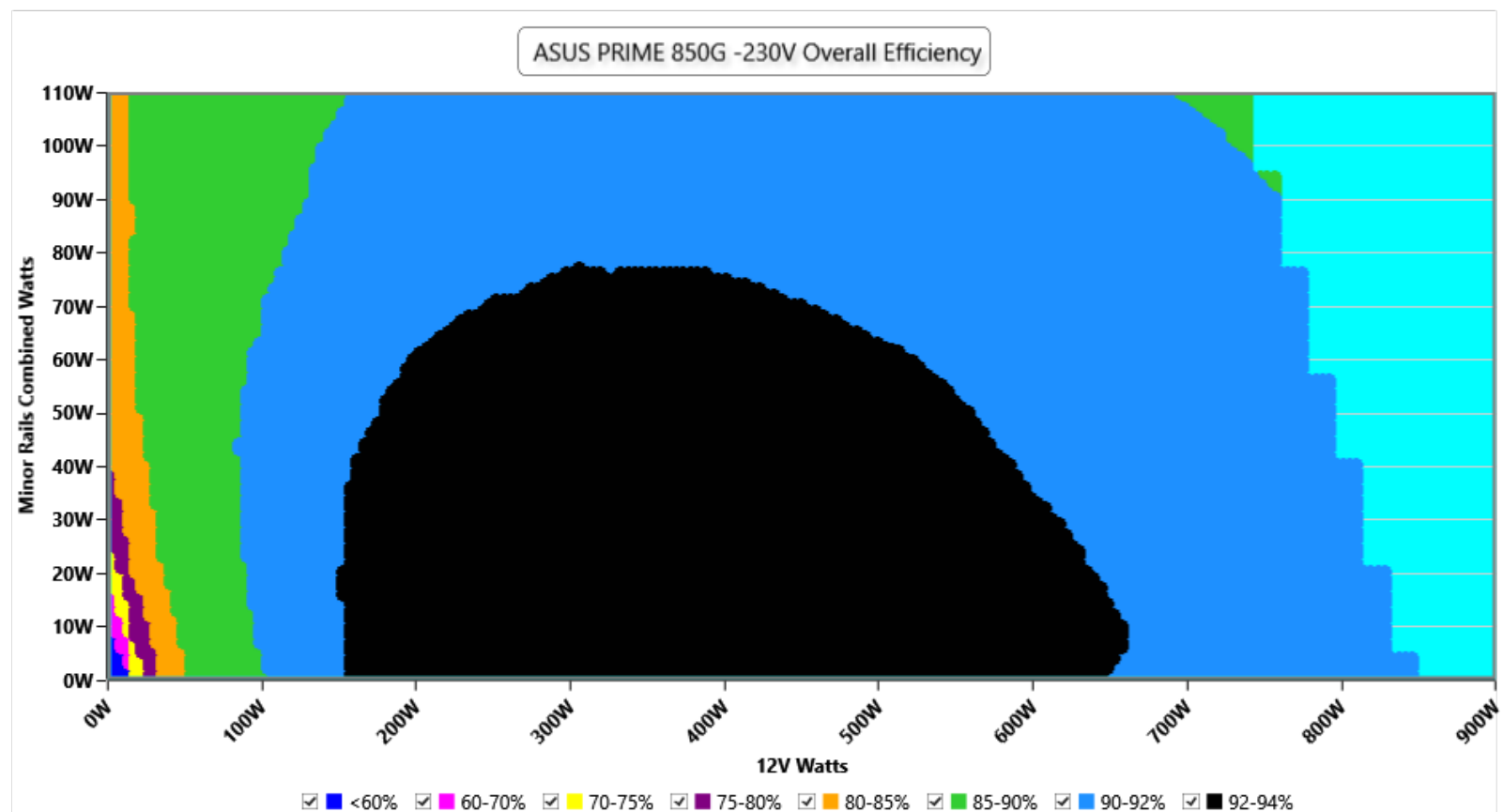
Efficiency Graph

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

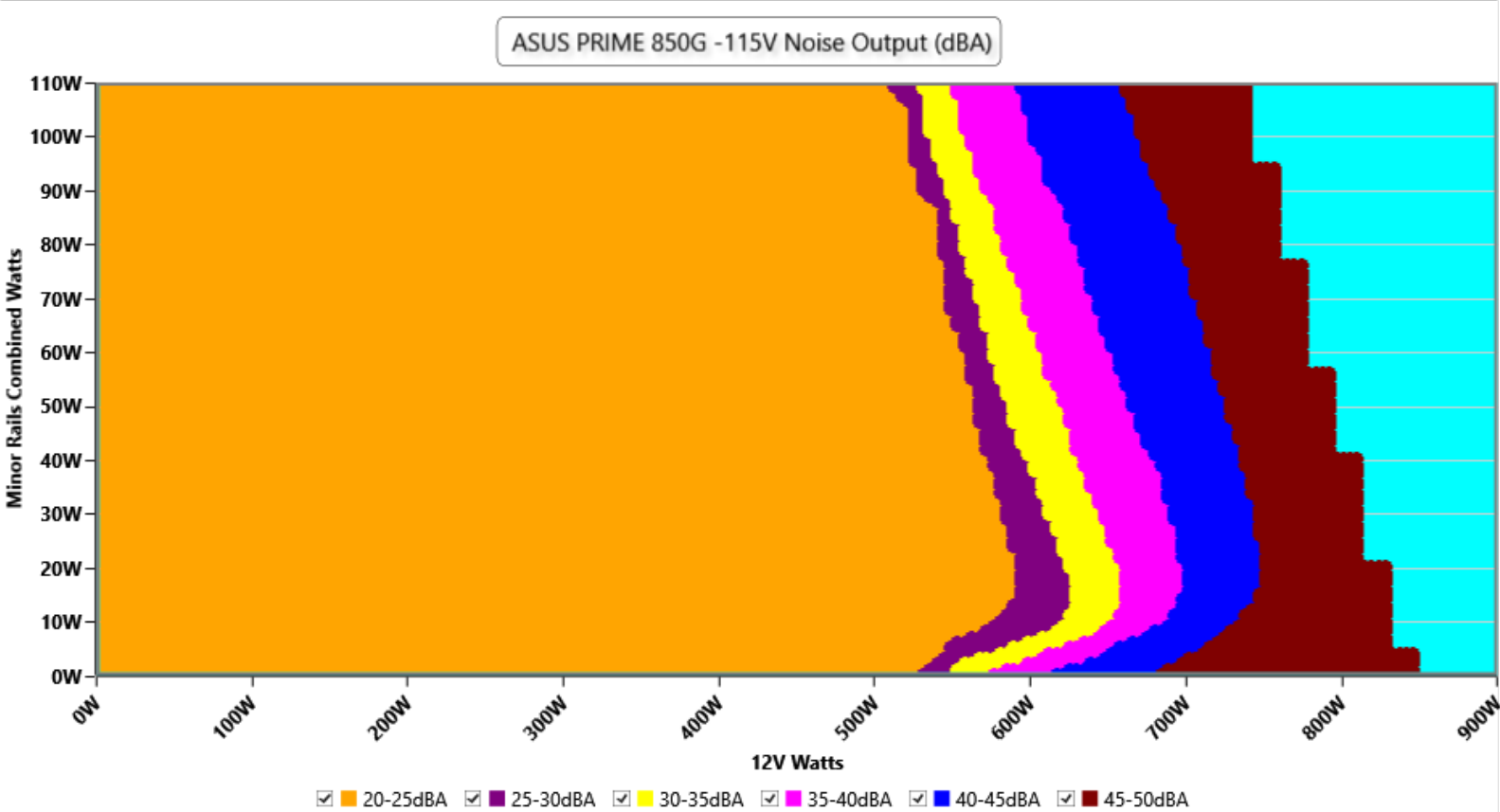


INFO

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

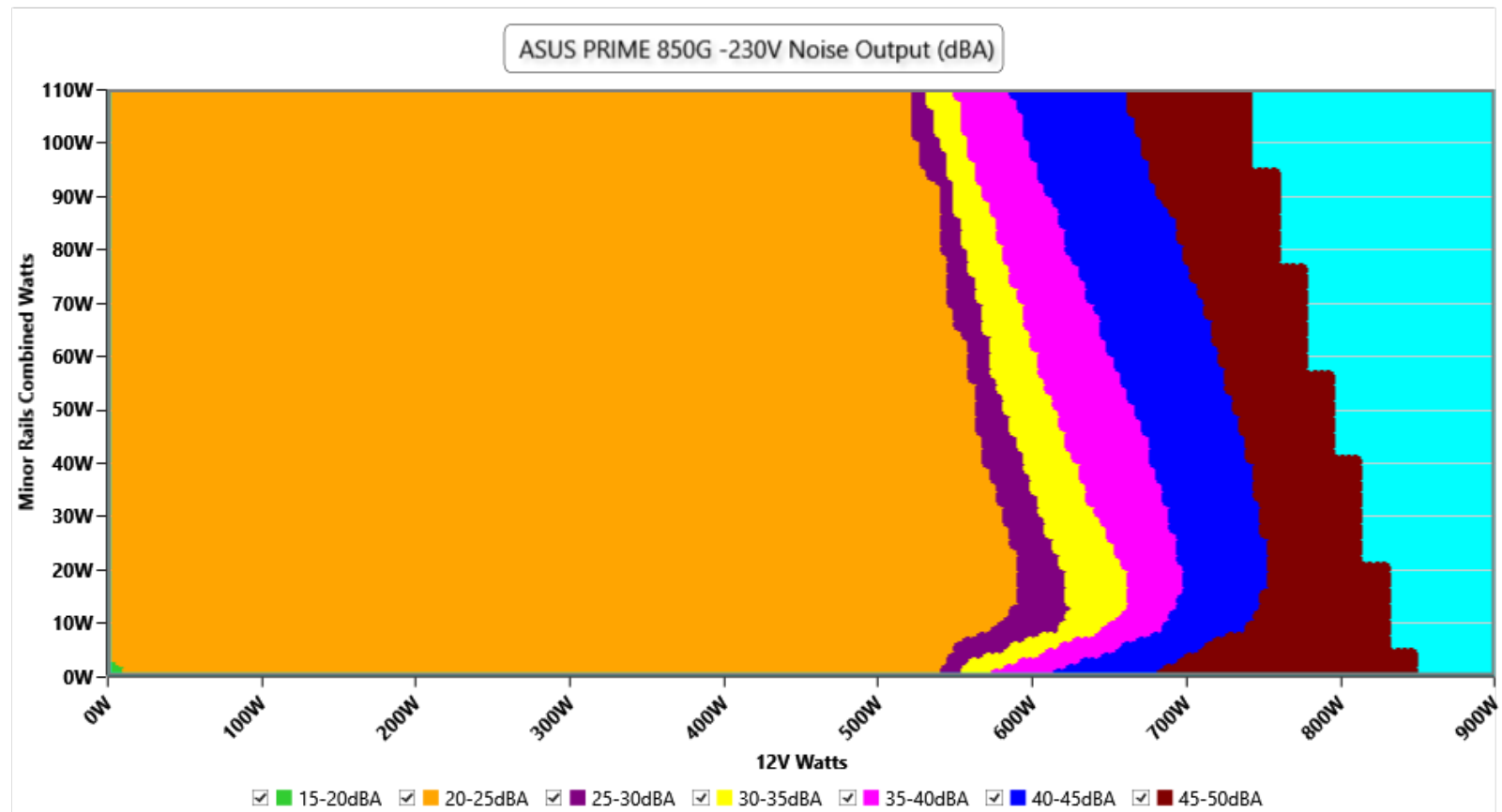
Noise Graph

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

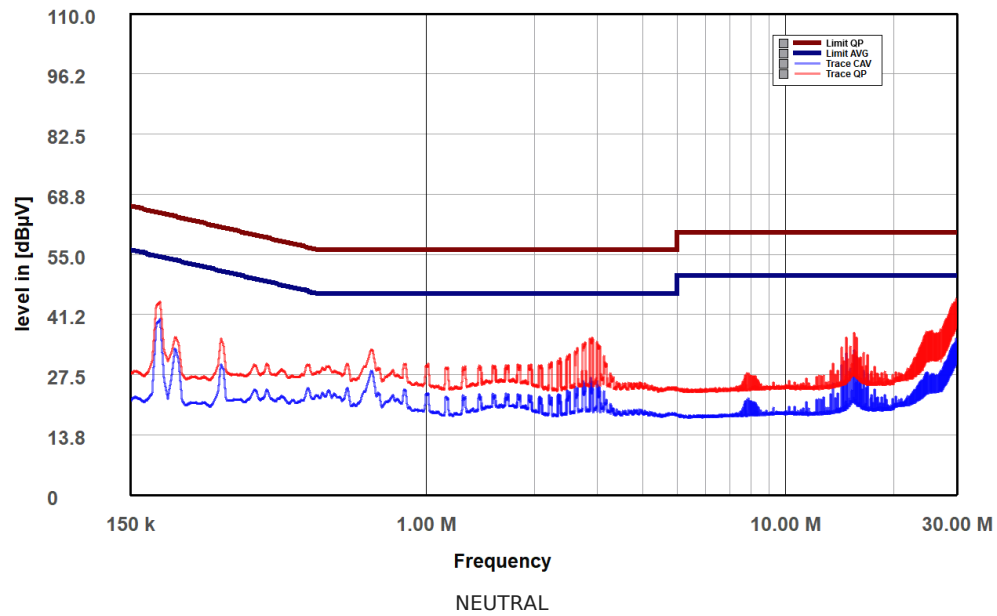


INFO

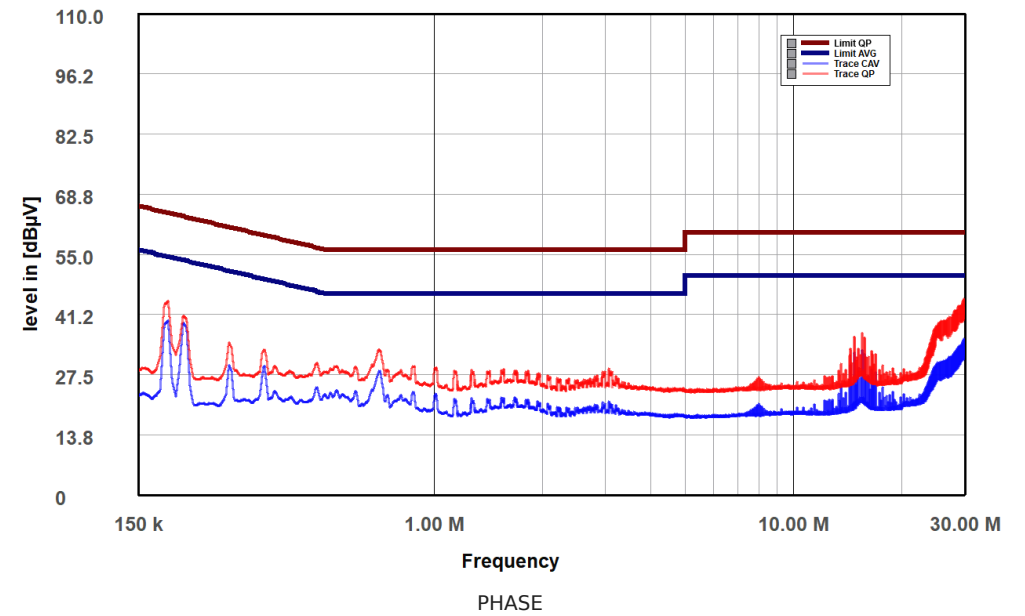
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Conducted Emissions EN 55032 & CISPR 32

Asus Prime 850G (AS85003116) Neutral



Asus Prime 850G (AS85003116) Phase

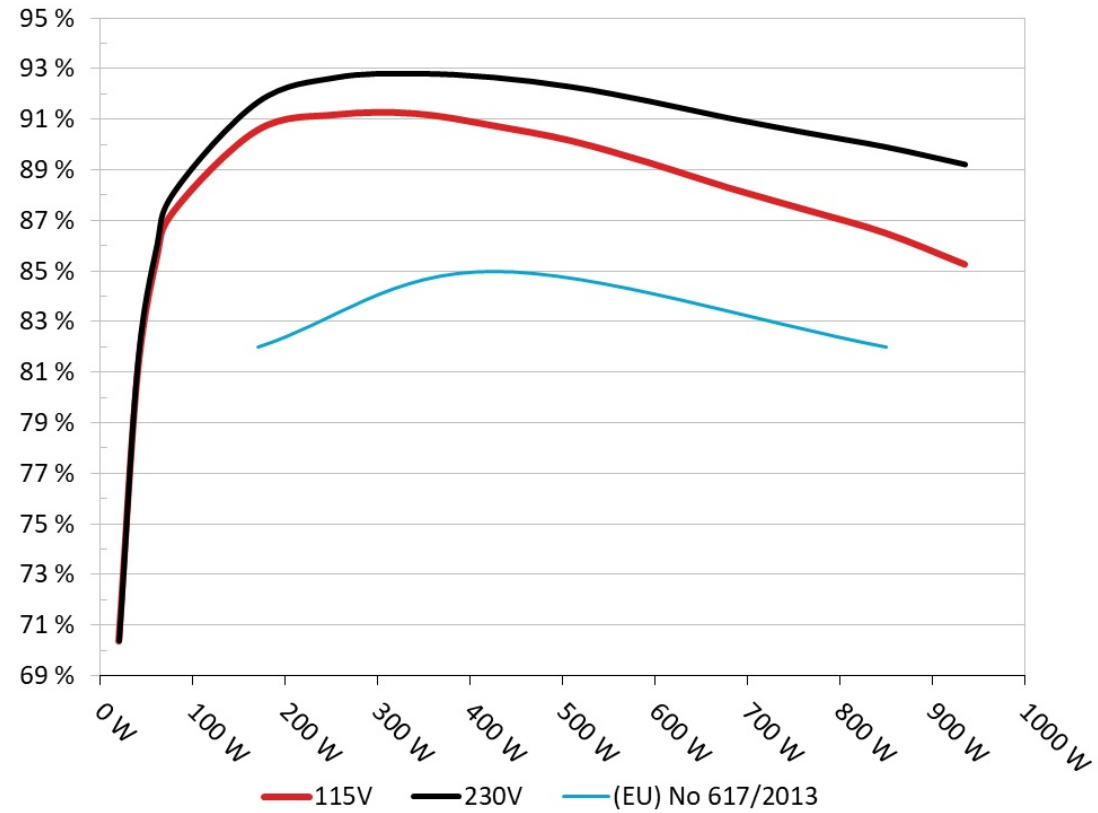


Indicative Performance

Efficiency under high ambient temperature

Efficiency: ASUS PRIME 850G

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



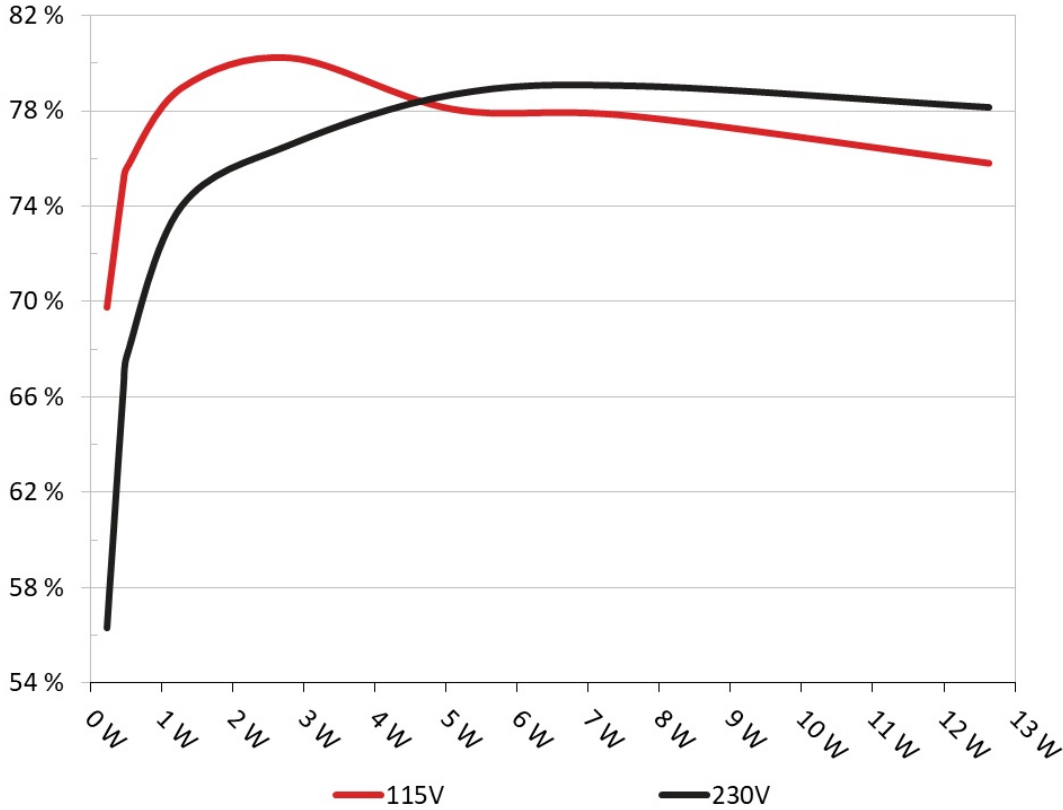
INFO

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: ASUS PRIME 850G

Ambient: 25°C - 30°C (77°F - 86°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

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231W	69.759%	0.033
	5.129V	0.331W		115.05V
2	0.09A	0.462W	75.034%	0.06
	5.128V	0.615W		115.05V
3	0.55A	2.813W	80.21%	0.235
	5.114V	3.507W		115.04V
4	1A	5.099W	78.058%	0.306
	5.098V	6.532W		115.04V
5	1.5A	7.631W	77.768%	0.342
	5.086V	9.812W		115.04V
6	2.5A	12.639W	75.796%	0.376
	5.056V	16.675W		115.03V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231W	56.333%	0.012
	5.13V	0.41W		229.94V
2	0.09A	0.462W	66.382%	0.021
	5.128V	0.696W		229.99V
3	0.55A	2.813W	76.607%	0.102
	5.114V	3.671W		229.99V
4	1A	5.102W	78.706%	0.16
	5.101V	6.483W		229.99V
5	1.5A	7.631W	79.069%	0.207
	5.087V	9.651W		230V
6	2.5A	12.638W	78.169%	0.264
	5.055V	16.167W		229.99V

Protection Features

OCP (Normal @ 30.1°C)	12V: 89.80A (127.38%), 11.991V 5V: 25.8A (129.00%), 5.108V 3.3V: 29A (145.00%), 3.273V 5VSB: 3.6A (144.00%), 5.021V
OCP (Hot @ 42.9°C)	12V: 86.10A (122.13%), 11.997V 5V: 24.8A (124.00%), 5.112V 3.3V: 28.2A (141.00%), 3.272V 5VSB: 3.7A (148.00%), 5.011V
OPP (Normal @ 28.4°C)	1066.56W (125.48%)
OPP (Hot @ 44.0°C)	1010.09W (118.83%)
OTP	✓ (140°C @ 12V Heatsink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	Proper Operation
UVP (Full Load @ 90V)	✓
UVP (No Damage @ 80V)	✓
Conducted Emissions EN55032 & CISPR 32	✓
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%	5.244A	1.94A	1.992A	0.983A	85.006	87.414%	785	23.2	40.2°C	0.956
	12.092V	5.155V	3.313V	5.088V	97.244				41.82°C	115.01V
20%	11.511A	2.917A	2.999A	1.183A	169.951	90.559%	787	23.2	40.94°C	0.976
	12.079V	5.143V	3.302V	5.072V	187.668				43°C	114.98V
30%	18.141A	3.409A	3.508A	1.385A	254.961	91.173%	789	23.2	41.38°C	0.98
	12.067V	5.134V	3.292V	5.055V	279.646				44.84°C	114.95V
40%	24.791A	3.902A	4.021A	1.588A	340.056	91.217%	790	23.3	41.89°C	0.981
	12.055V	5.126V	3.283V	5.039V	372.798				46.55°C	114.92V
50%	31.091A	4.887A	5.043A	1.793A	424.898	90.739%	793	23.4	42.12°C	0.98
	12.042V	5.116V	3.272V	5.021V	468.263				49.06°C	114.9V
60%	37.377A	5.876A	6.074A	1.999A	509.417	90.137%	795	23.5	42.66°C	0.981
	12.029V	5.106V	3.261V	5.005V	565.156				52.1°C	114.86V
70%	43.745A	6.871A	7.113A	2.206A	594.733	89.258%	1272	37.7	43.45°C	0.983
	12.016V	5.095V	3.248V	4.986V	666.307				53.18°C	114.83V
80%	50.128A	7.869A	8.16A	2.313A	679.548	88.28%	1847	46.3	43.84°C	0.984
	12.003V	5.082V	3.235V	4.973V	769.764				52.32°C	114.79V
90%	56.926A	8.377A	8.68A	2.42A	764.98	87.393%	2240	51	44.88°C	0.986
	11.989V	5.072V	3.226V	4.959V	875.334				52.86°C	114.76V
100%	63.668A	8.887A	9.237A	2.528A	849.679	86.485%	2230	51.1	45.75°C	0.987
	11.976V	5.063V	3.215V	4.944V	982.457				55.32°C	114.72V
110%	70.170A	9.896A	10.401A	2.535A	935.073	85.255%	2227	51	47.43°C	0.988
	11.961V	5.052V	3.202V	4.932V	1096.798				59.67°C	114.68V
CL1	0.116A	12.945A	13.411A	0A	111.299	82.236%	800	23.8	41.01°C	0.97
	12.077V	5.113V	3.259V	5.098V	135.346				51.26°C	115V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	0.116A	19.505A	0A	0A	101.369	80.364%	807	24	40.98°C	0.97
	12.085V	5.125V	3.3V	5.106V	126.136				49.53°C	115V
CL3	0.116A	0A	20.267A	0A	67.401	75.062%	787	23.2	41.62°C	0.956
	12.084V	5.138V	3.257V	5.106V	89.795				48.63°C	115.01V
CL4	70.879A	0A	0A	0A	849.537	87.377%	2251	50.9	45.63°C	0.987
	11.986V	5.105V	3.262V	5.035V	972.272				54.65°C	114.73V

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%	5.244A	1.94A	1.991A	0.983A	85.004	88.098%	788	23.2	40.23°C	0.816
	12.092V	5.155V	3.314V	5.088V	96.488				41.84°C	229.99V
20%	11.511A	2.916A	2.998A	1.183A	169.947	91.665%	789	23.2	40.73°C	0.906
	12.080V	5.143V	3.303V	5.073V	185.398				42.88°C	229.97V
30%	18.139A	3.409A	3.507A	1.385A	254.956	92.636%	791	23.3	41.15°C	0.935
	12.068V	5.134V	3.294V	5.056V	275.225				44.03°C	229.96V
40%	24.788A	3.902A	4.019A	1.588A	340.048	92.788%	792	23.4	41.75°C	0.947
	12.056V	5.126V	3.285V	5.039V	366.478				45.63°C	229.94V
50%	31.086A	4.887A	5.041A	1.793A	424.881	92.637%	793	23.4	42.12°C	0.953
	12.043V	5.116V	3.274V	5.022V	458.652				47.17°C	229.93V
60%	37.370A	5.877A	6.07A	1.998A	509.4	92.262%	796	23.6	42.66°C	0.957
	12.031V	5.106V	3.262V	5.005V	552.124				49.46°C	229.91V
70%	43.736A	6.872A	7.107A	2.206A	594.72	91.686%	1251	37.2	43.17°C	0.962
	12.018V	5.094V	3.251V	4.987V	648.65				50.22°C	229.9V
80%	50.118A	7.869A	8.151A	2.312A	679.534	91.027%	1826	46.1	43.61°C	0.965
	12.004V	5.082V	3.239V	4.973V	746.52				49.42°C	229.88V
90%	56.914A	8.378A	8.673A	2.42A	764.966	90.439%	2243	51	44.72°C	0.967
	11.991V	5.072V	3.228V	4.96V	845.835				50.51°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
100%	63.656A	8.887A	9.231A	2.529A	849.666	89.885%	2231	51.1	45.5°C	0.969
	11.978V	5.063V	3.217V	4.944V	945.287				52.68°C	229.85V
110%	70.155A	9.897A	10.392A	2.535A	935.05	89.196%	2227	51	47.16°C	0.971
	11.963V	5.051V	3.204V	4.931V	1048.317				55.01°C	229.84V
CL1	0.116A	12.944A	13.395A	0A	111.297	83.191%	801	23.8	40.53°C	0.87
	12.077V	5.113V	3.263V	5.099V	133.789				49.45°C	229.98V
CL2	0.116A	19.503A	0A	0A	101.365	81.194%	808	24.1	40.94°C	0.861
	12.086V	5.126V	3.3V	5.106V	124.842				48.82°C	229.99V
CL3	0.115A	0A	20.234A	0A	67.4	75.747%	785	23.2	40.96°C	0.799
	12.084V	5.138V	3.262V	5.107V	88.981				47.5°C	229.99V
CL4	70.866A	0A	0A	0A	849.523	90.816%	2250	50.9	45.25°C	0.969
	11.988V	5.105V	3.262V	5.035V	935.443				51.29°C	229.86V

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	0.484A	0.496A	0.195A	20.002	70.348%	777	23	36.58°C	0.83
	12.101V	5.166V	3.326V	5.121V	28.433				37.58°C	115.03V
40W	2.702A	0.678A	0.695A	0.293A	40.002	80.844%	779	23.1	37.29°C	0.916
	12.099V	5.163V	3.323V	5.115V	49.481				38.11°C	115.03V
60W	4.178A	0.872A	0.894A	0.391A	60.002	85.34%	781	23.2	38.28°C	0.952
	12.096V	5.16V	3.32V	5.11V	70.309				39.54°C	115.02V
80W	5.650A	1.066A	1.094A	0.49A	79.951	87.382%	783	23.2	39.33°C	0.955
	12.094V	5.158V	3.318V	5.104V	91.496				40.73°C	115.02V

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	1.228A	0.484A	0.496A	0.195A	20.002	70.376%	782	23.2	36.61°C	0.483
	12.102V	5.166V	3.327V	5.121V	28.422				38.46°C	230V
40W	2.702A	0.678A	0.695A	0.293A	40	81.316%	783	23.2	37.57°C	0.649
	12.099V	5.164V	3.324V	5.115V	49.192				39.18°C	229.99V
60W	4.178A	0.872A	0.894A	0.391A	59.999	85.856%	784	23.2	38.5°C	0.742
	12.096V	5.16V	3.321V	5.11V	69.883				39.7°C	229.99V
80W	5.649A	1.066A	1.094A	0.49A	79.946	88.14%	785	23.2	39.04°C	0.802
	12.094V	5.158V	3.319V	5.105V	90.704				40.67°C	229.99V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	23.74mV	15.02mV	14.99mV	14.78mV	Pass
20% Load	26.76mV	15.07mV	15.24mV	19.75mV	Pass
30% Load	29.62mV	14.66mV	15.04mV	21.18mV	Pass
40% Load	29.93mV	15.17mV	15.30mV	19.13mV	Pass
50% Load	25.79mV	15.84mV	17.85mV	24.60mV	Pass
60% Load	24.40mV	15.43mV	15.86mV	17.59mV	Pass
70% Load	24.92mV	15.48mV	16.73mV	22.10mV	Pass
80% Load	26.35mV	16.20mV	16.63mV	22.71mV	Pass
90% Load	27.06mV	16.71mV	17.24mV	20.20mV	Pass
100% Load	28.39mV	17.32mV	17.95mV	21.53mV	Pass
110% Load	29.78mV	17.37mV	18.16mV	23.02mV	Pass
Crossload1	29.06mV	16.96mV	17.65mV	13.76mV	Pass
Crossload2	26.09mV	20.33mV	16.27mV	15.04mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	24.09mV	16.86mV	20.92mV	14.07mV	Pass
Crossload4	29.11mV	15.79mV	15.34mV	16.68mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	21.95mV	14.87mV	15.45mV	14.68mV	Pass
20% Load	26.25mV	14.20mV	14.94mV	19.08mV	Pass
30% Load	28.80mV	14.82mV	15.30mV	18.01mV	Pass
40% Load	29.36mV	14.30mV	15.50mV	17.75mV	Pass
50% Load	25.27mV	15.53mV	15.50mV	23.07mV	Pass
60% Load	24.40mV	15.23mV	15.70mV	17.49mV	Pass
70% Load	23.99mV	15.58mV	16.06mV	21.84mV	Pass
80% Load	26.25mV	15.79mV	24.76mV	21.49mV	Pass
90% Load	27.27mV	16.61mV	16.78mV	21.43mV	Pass
100% Load	28.50mV	16.91mV	18.05mV	21.64mV	Pass
110% Load	29.21mV	17.06mV	19.13mV	23.33mV	Pass
Crossload1	27.73mV	15.94mV	18.52mV	13.71mV	Pass
Crossload2	26.81mV	19.82mV	16.57mV	15.24mV	Pass
Crossload3	25.07mV	16.35mV	28.14mV	14.73mV	Pass
Crossload4	27.99mV	16.25mV	15.91mV	17.29mV	Pass

The results above are not used in the certification process

ASUS PRIME 850G



Top side



Power specifications label

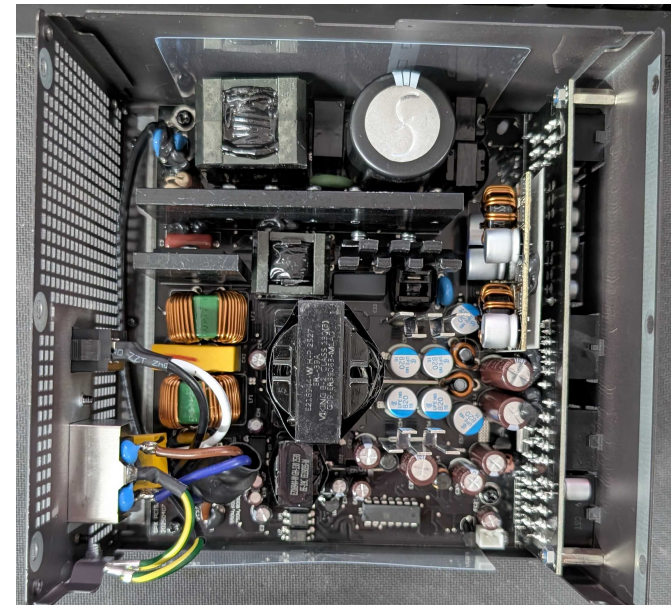


Fan

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



PSU Internals

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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