



Gamer Storm PQ850G

Serial Number

Lab ID GA85002438

Certification ID 252438

Test Result Report ID: 24PS2438A

Certificate Issue Date: Sep 26, 2024

115V



CYBENETICS
PLATINUM

230V



CYBENETICS
PLATINUM
230v

Scheme: ETA-EMI PSU

115V



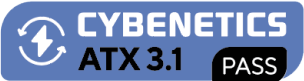
CYBENETICS
STANDARD+
230v

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STANDARD+
230v

Scheme: LAMBDA PSU



Outside Validation Scope

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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	Gamer Storm
Model	PQ850G
OEM/ODM	Helly Technology
Serial Number	
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	10

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	120mm Rifle Bearing Fan (D12SH-12)
Semi-Passive Operation	X
Cybenetics Testing Information	
Lab ID	GA85002438
Date of receipt	Sep 4, 2024
Testing Date	Sep 8, 2024
Report Issued Date	Sep 26, 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 (595mm)	1	1	18AWG	No
4+4 pin EPS12V (610mm)	2	2	16AWG	No
6+2 pin PCIe (600mm)	3	3	16AWG	No
12+4 pin PCIe (650mm) (600W)	1	1	16-24AWG	No
SATA (455mm+120mm+120mm+120mm)	2	8	18AWG	No
4-pin Molex (455mm+120mm+120mm+120mm)	1	4	18AWG	No

Protection Features(Manufacturer)

Under Voltage Protection	✓
Over Power Protection	✓
Over Current (+12V) Protection	✓
Over Temperature Protection	✓
Short Circuit Protection	✓
Surge Protection	✓
Inrush Current Protection	✓

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	20	20	70	2.5	0.3
	Watts	100		840	12.5	3.6
Total Max. Power (W)		850				

Parts Description

General Data	
Manufacturer (OEM)	Helly Technology
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 3x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF72 10D-20 (10 Ohm @25°C) & Relay
Bridge Rectifier(s)	2x
APFC MOSFETs	2x Oriental Semiconductor OSG55R140F (550V, 14.5A @ 100°C, Rds(on): 0.14Ohm)
APFC Boost Diode	1x G3S06510A (650V, 10A @ 155°C)
Bulk Cap(s)	1x Nippon Chemicon (400V, 680uF @ 105°C,KMW)
Main Switchers	2x Perfect PTA28N50 (500V, 18A @ 100°C, Rds(on): 210mOhm)
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CM6901T6X
Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters

Secondary Side	
+12V MOSFETs	4x Fuxin Semiconductor FXN0204C (40V, 210A @ 100°C, Rds(on): 2.0mOhm)
5V & 3.3V	DC-DC Converters: 2x XSEMI XP3NA3R4MT (30V, 46A @ 100°C, Rds(on): 3.4mOhm) 2x Rectron Semiconductor 3N5R0 (30V, 19.7A @ @ 70°C, Rds(on): 5mOhm) PWM Controller(s): 2x ANPEC APW7073
Filtering Capacitors	Electrolytic: 2x Nippon Chemi-Con @ 105°C, (W), 1x Nippon Chemi-Con (2-5,000 @ 105°C, KZE) 3x Rubycon (4-10,000 @ 105°C, YXJ) 1x Rubycon (4-10,000 @ 105°C, YXF) 1x Rubycon (3-6,000 @ 105°C,ZLQ) Polymer: 33x Apaq , 2x Jamicon,
Supervisor IC	Weltrend WT7527RA (OVD, PGO, UVD, OCD)
Fan Model	Yate Loon D12SH-12 (120mm, 12V, 0.30A, Sleeve Bearing Fan)
5VSB	
High Side Rectifier	P6SMB (220V, 1A)
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	✓
ATX v3.1 PSU Power Excursion	✓

Performance Summary

115V	
Accredited	
Average Efficiency (>1450 load combinations)	89.221%

Average Noise Output (>1450 Load Combinations)	36.06dBA
Average PF (>1450 Load Combinations)	0.990
Efficiency With 10W ($\leq$ 500W) or 2% (>500W) Load	68.211%
Standby Power Consumption	0.0585W
Non-Accredited	
12V Ripple (Full Load)	29.82mV
5V Ripple (Full Load)	19.01mV
3.3V Ripple (Full Load)	22.24mV
5VSB Ripple (Full Load)	12.97mV
12V Load Regulation	0.67%
5V Load Regulation	0.78%
3.3V Load Regulation	1.45%
5VSB Load Regulation	3.27%
Inrush Current	16.280A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.218%
Average Noise Output (>1450 Load Combinations)	35.91dBA
Average PF (>1450 Load Combinations)	0.959
Efficiency With 10W ($\leq$ 500W) or 2% (>500W) Load	67.877%
Standby Power Consumption	0.0944W
Non-Accredited	
12V Ripple (Full Load)	29.02mV
5V Ripple (Full Load)	19.17mV
3.3V Ripple (Full Load)	21.08mV
5VSB Ripple (Full Load)	11.99mV
12V Load Regulation	0.67%
5V Load Regulation	0.80%
3.3V Load Regulation	1.52%
5VSB Load Regulation	3.29%
Inrush Current	32.490A

12V Transient Response (200%)	11.64V	
5V Transient Response (200%)	4.953V	
3.3V Transient Response (200%)	3.191V	
5VSB Transient Response (200%)	4.949V	
Hold-Up Time & PWR_OK Signal	23.80ms	
AC Loss to PWR_OK Hold Up Time	20.80ms	
PWR_OK Inactive to DC Loss Delay	3.00ms	
PSU Timings: T1 (20% / 100%)	58.0ms	58.0ms
PSU Timings: T3 (20% / 100%)	125.0ms	127.0ms
OPP (25.29°C / 42.56°C)	127.42%	119.77%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	23.8
AC Loss to PWR_OK Hold Up Time (ms)	20.8
PWR_OK Inactive to DC Loss Delay (ms)	3

Vampire Power

Tables

115V

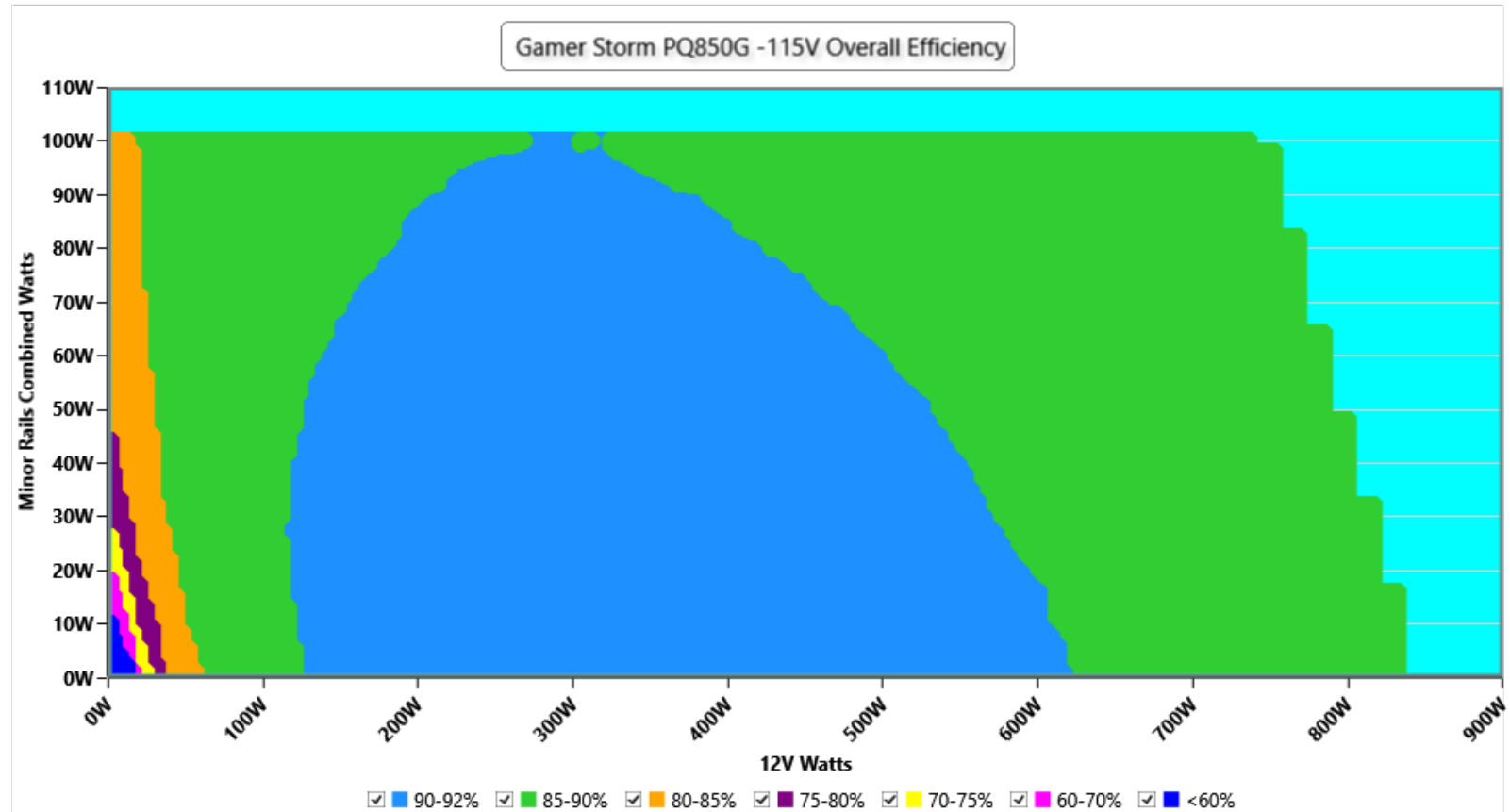
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	114.86 V	114.80 V	113.85 V	114.92 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.98 Hz	59.40 Hz	60.02 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.420	1.418	1.340	1.422	1.490	PASS
Mains Voltage THD:	0.16 %	0.10 %	N/A	0.27 %	2.00 %	PASS
Real Power:	0.058 W	0.050 W	N/A	0.068 W	N/A	N/A
Apparent Power:	7.738 W	7.718 W	N/A	7.757 W	N/A	N/A
Power Factor:	0.008	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	229.86 V	229.75 V	227.70 V	229.91 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:	1.418	1.417	1.340	1.420	1.490	PASS
Mains Voltage THD:	0.15 %	0.11 %	N/A	0.21 %	2.00 %	PASS
Real Power:	0.094 W	0.073 W	N/A	0.118 W	N/A	N/A
Apparent Power:	26.330 W	26.307 W	N/A	26.353 W	N/A	N/A
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A

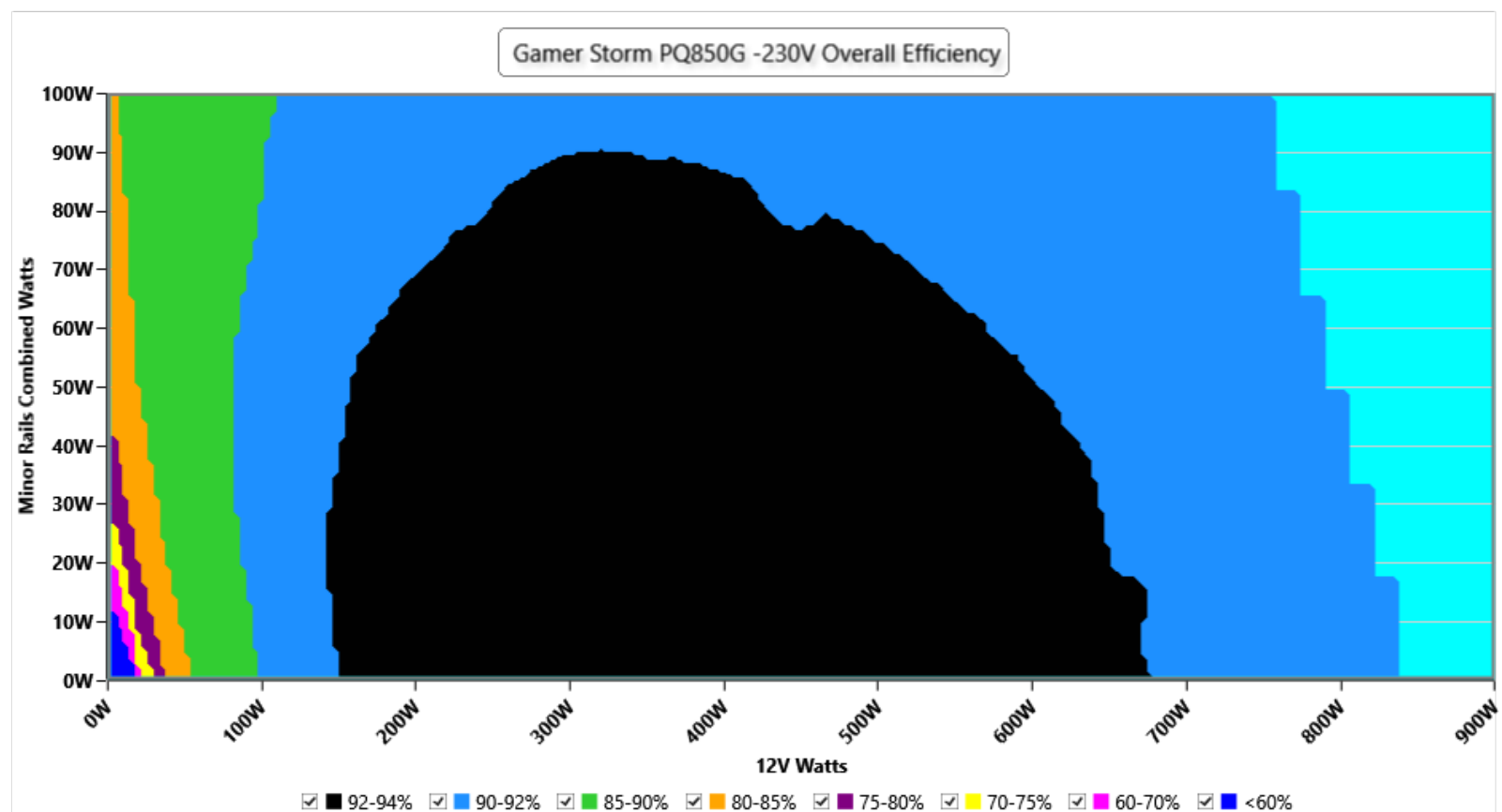
Efficiency Graph

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

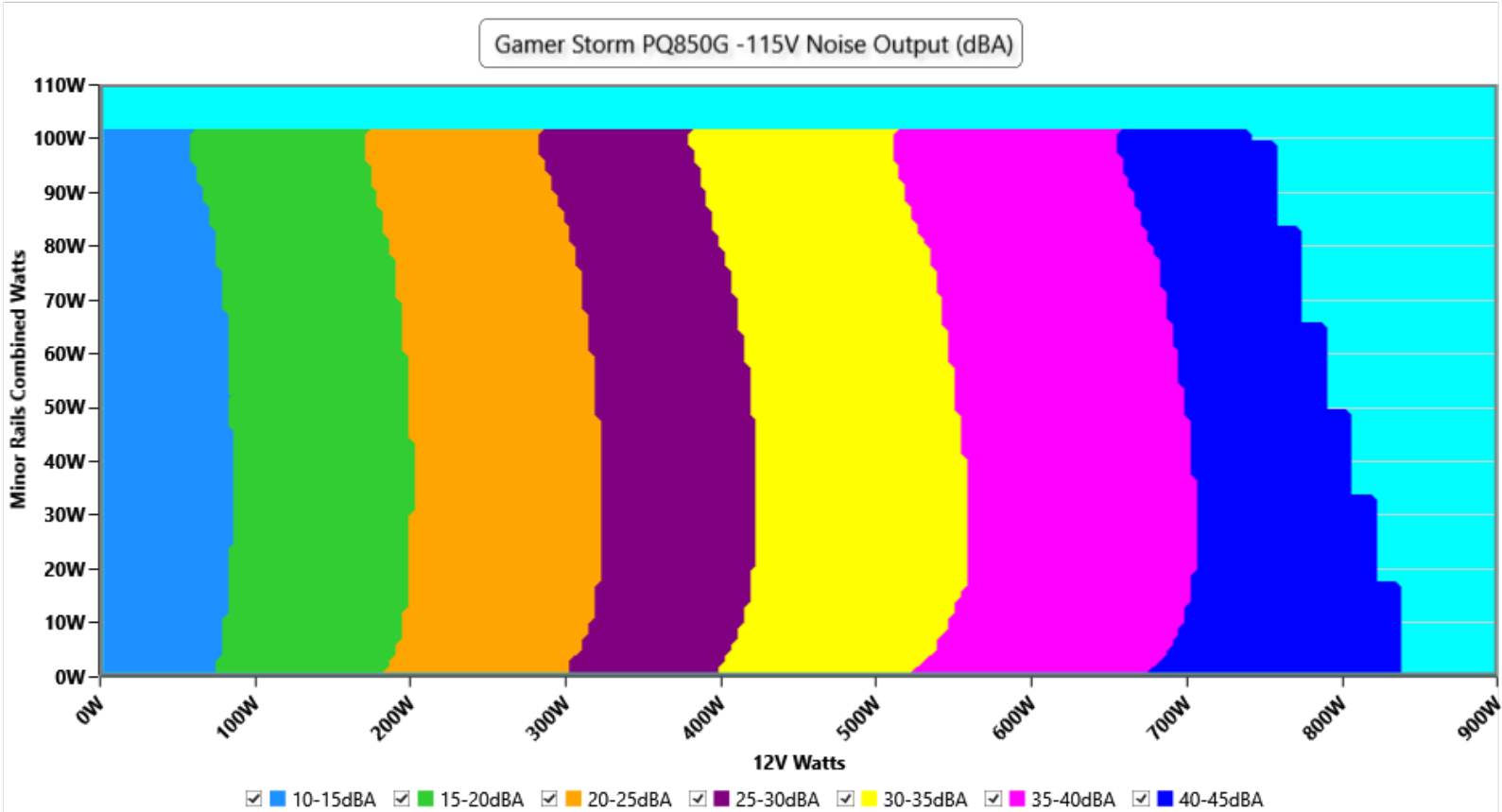


INFO

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

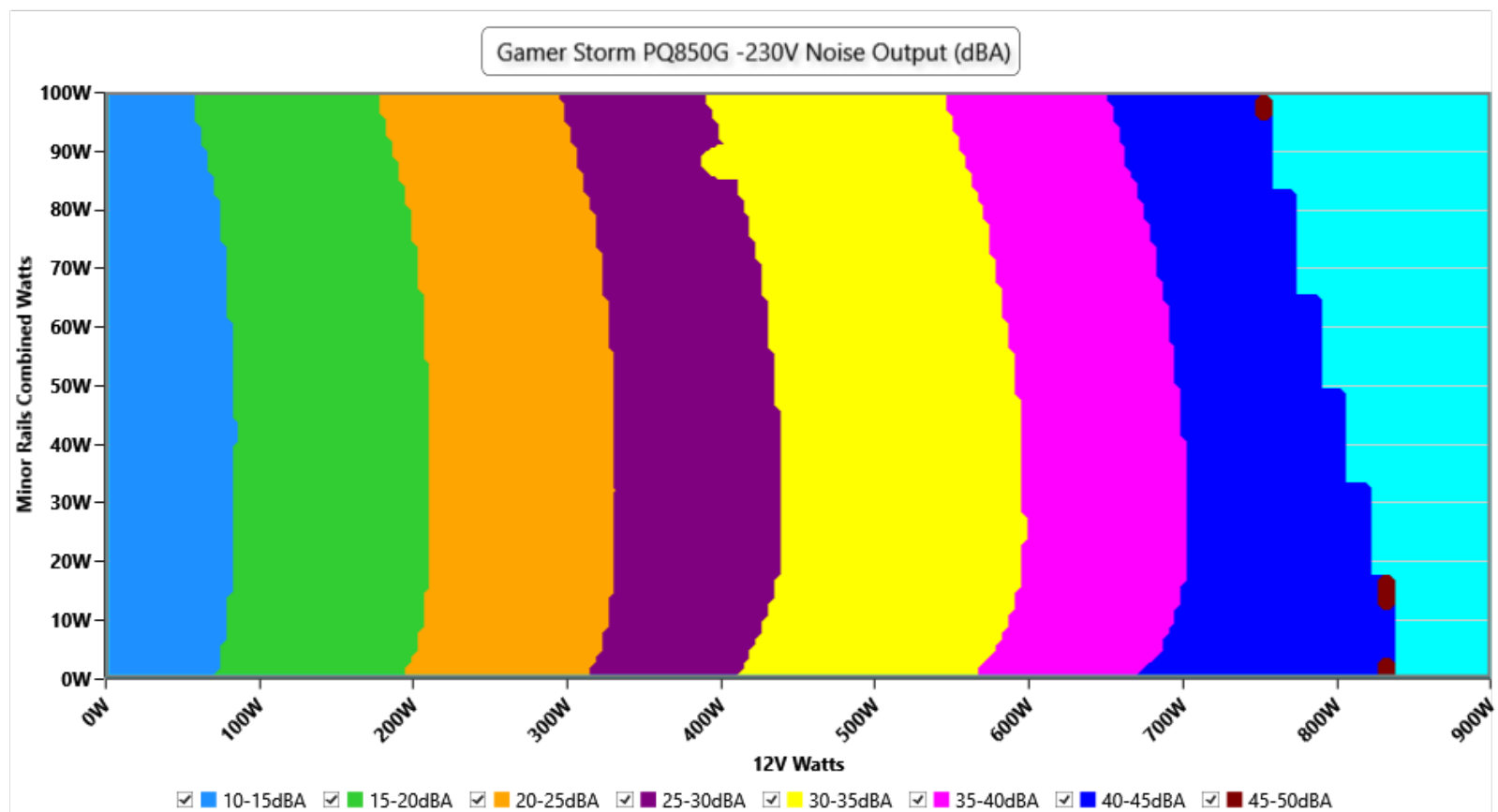
Noise Graph

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

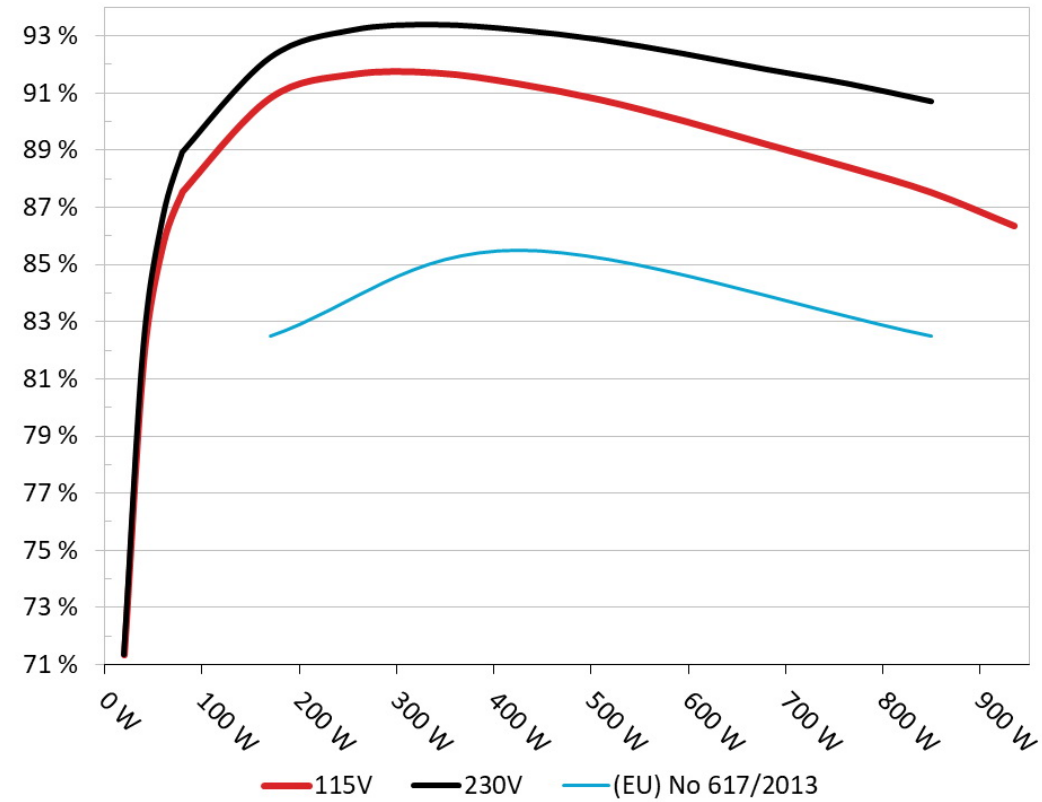
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: Gamer Storm PQ850G

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



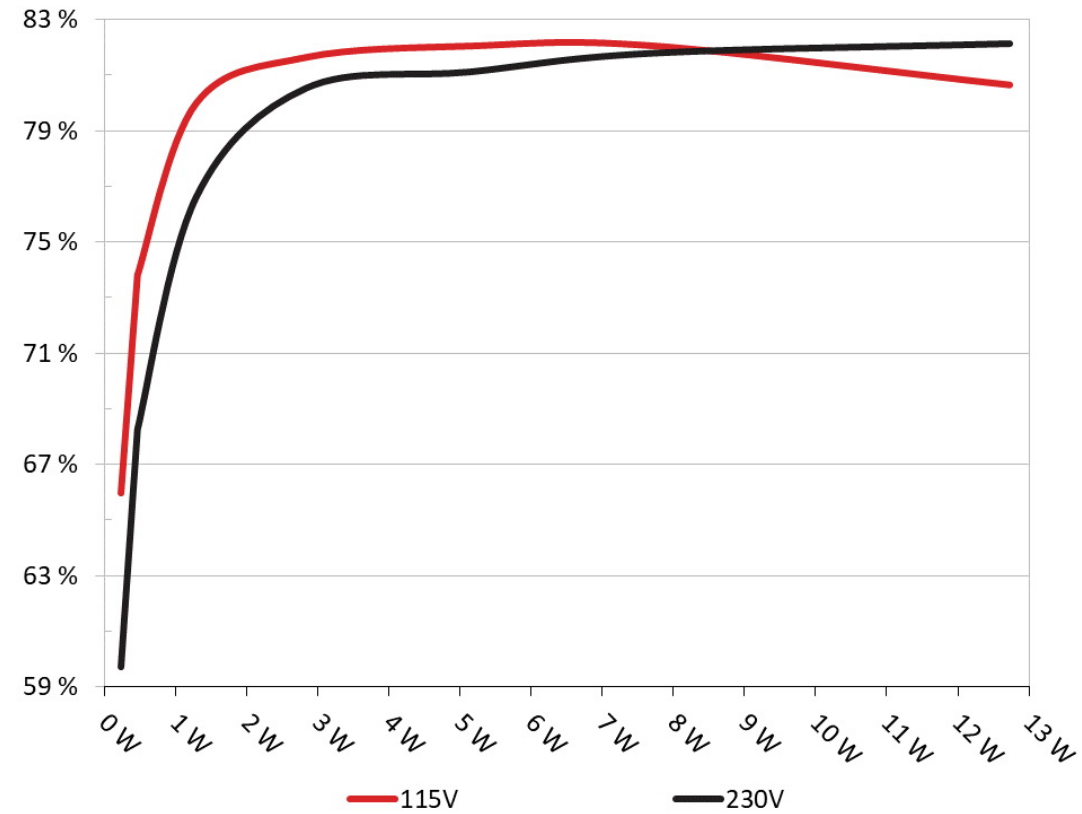
INFO

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: Gamer Storm PQ850G

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

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.232W	65.963%	0.045
	5.16V	0.352W		114.86V
2	0.09A	0.464W	73.811%	0.079
	5.159V	0.629W		114.86V
3	0.55A	2.831W	81.655%	0.32
	5.146V	3.467W		114.85V
4	1A	5.134W	82.066%	0.422
	5.134V	6.256W		114.84V
5	1.5A	7.681W	82.079%	0.467
	5.12V	9.358W		114.84V
6	2.501A	12.733W	80.664%	0.521
	5.092V	15.785W		114.84V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.232W	59.703%	0.015
	5.16V	0.389W		229.85V
2	0.09A	0.464W	68.254%	0.026
	5.159V	0.68W		229.85V
3	0.55A	2.831W	80.545%	0.126
	5.146V	3.515W		229.85V
4	1A	5.134W	81.136%	0.207
	5.134V	6.328W		229.85V
5	1.5A	7.681W	81.806%	0.274
	5.121V	9.389W		229.84V
6	2.5A	12.734W	82.153%	0.343
	5.093V	15.5W		229.84V

Protection Features

Protection Features	
OCP (Cold @ 27°C)	12V: 84.4A (120.57%), 12.165V 5V: 29.9A (149.5%), 5.013V 3.3V: 30.1A (150.5%), 3.249V 5VSB: 4.1A (164%), 5.048V
OCP (Hot @ 43°C)	12V: 80.6A (115.14%), 12.174V 5V: 29.5A (147.5%), 5.013V 3.3V: 29.8A (149%), 3.248V 5VSB: 4.1A (164%), 5.044V
OPP (Cold @ 25°C)	1083.05W (127.42%)
OPP (Hot @ 43°C)	1018.02W (119.77%)
OTP	✓ (165°C @ +12V Heat Sink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	Proper operation
NLO	✓
Fan Failure Protection	✗
SIP	Surge: MOV Inrush: NTC Thermistor & 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
	5.183A	1.976A	1.976A	0.976A	84.997	86.928%	911	22.5	40.49°C	0.973
	12.233V	5.06V	3.34V	5.124V	97.78				44.72°C	114.82V
	11.372A	2.966A	2.968A	1.175A	169.915	90.333%	971	24.7	40.55°C	0.979
	12.225V	5.056V	3.335V	5.108V	188.099				45.13°C	114.79V
	17.916A	3.463A	3.467A	1.374A	254.923	91.162%	1068	28.0	41.27°C	0.987
	12.217V	5.053V	3.332V	5.093V	279.636				46.32°C	114.77V
	24.476A	3.96A	3.966A	1.576A	340.024	91.215%	1195	31.4	41.6°C	0.992
	12.208V	5.05V	3.328V	5.078V	372.774				47.24°C	114.74V
	30.685A	4.955A	4.967A	1.778A	424.847	90.834%	1337	34.8	42.2°C	0.994
	12.200V	5.046V	3.322V	5.062V	467.721				48.23°C	114.71V
	36.879A	5.952A	5.97A	1.982A	509.388	90.274%	1492	37.8	42.81°C	0.995
	12.191V	5.041V	3.317V	5.046V	564.267				49.31°C	114.68V
	43.144A	6.95A	6.977A	2.187A	594.696	89.541%	1693	41.8	43.2°C	0.996
	12.182V	5.037V	3.312V	5.03V	664.16				50.3°C	114.64V
	49.419A	7.948A	7.985A	2.293A	679.506	88.724%	1900	45.1	43.94°C	0.997
	12.174V	5.032V	3.306V	5.016V	765.862				52.01°C	114.62V
	56.093A	8.45A	8.478A	2.399A	764.931	87.91%	1913	45.6	44.29°C	0.997
	12.166V	5.029V	3.302V	5.003V	870.127				53.39°C	114.59V
	62.708A	8.952A	9.003A	2.505A	849.619	87.036%	1916	45.7	45.64°C	0.997
	12.158V	5.026V	3.299V	4.99V	976.171				55.73°C	114.55V
	69.075A	9.955A	10.113A	2.511A	935.011	85.864%	1916	45.7	46.95°C	0.998
	12.150V	5.022V	3.293V	4.979V	1088.951				57.78°C	114.52V
	0.113A	11.955A	12.006A	0A	101.277	83.636%	1053	27.6	41.25°C	0.985
	12.222V	5.035V	3.306V	5.135V	121.095				51.09°C	114.81V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
	0.113A	19.867A	0A	0A	101.325	82.346%	1040	27.3	40.06°C	0.985
	12.226V	5.031V	3.336V	5.139V	123.049				50.9°C	114.82V
	0.113A	0A	20.057A	0A	67.378	76.107%	1037	27.2	41.29°C	0.971
	12.226V	5.055V	3.291V	5.139V	88.531				49.36°C	114.83V
	69.806A	0A	0A	0A	849.456	87.797%	1923	45.8	45.89°C	0.997
	12.169V	5.05V	3.331V	5.074V	967.527				53.82°C	114.56V

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%	5.184A	1.976A	1.976A	0.976A	85.005	88.234%	941	23.6	40.28°C	0.861
	12.232V	5.06V	3.341V	5.123V	96.34				44.49°C	229.83V
20%	11.375A	2.967A	2.968A	1.175A	169.945	91.74%	1001	25.9	40.56°C	0.94
	12.223V	5.056V	3.336V	5.108V	185.247				45.1°C	229.81V
30%	17.920A	3.463A	3.466A	1.375A	254.954	92.713%	1087	28.5	41.14°C	0.961
	12.215V	5.053V	3.332V	5.093V	274.995				46.18°C	229.79V
40%	24.479A	3.961A	3.966A	1.576A	340.046	92.899%	1183	31.2	41.81°C	0.972
	12.208V	5.05V	3.328V	5.078V	366.035				47.38°C	229.78V
50%	30.688A	4.956A	4.966A	1.778A	424.888	92.718%	1346	35.0	42.41°C	0.977
	12.199V	5.045V	3.323V	5.062V	458.26				48.44°C	229.77V
60%	36.882A	5.952A	5.969A	1.982A	509.412	92.373%	1472	37.5	42.68°C	0.981
	12.190V	5.041V	3.318V	5.046V	551.47				49.33°C	229.75V
70%	43.148A	6.951A	6.976A	2.188A	594.739	91.886%	1714	42.0	43.45°C	0.983
	12.182V	5.036V	3.312V	5.029V	647.261				50.54°C	229.74V
80%	49.428A	7.95A	7.985A	2.293A	679.572	91.338%	1896	44.8	43.96°C	0.984
	12.173V	5.031V	3.306V	5.015V	744.021				52.07°C	229.73V
90%	56.106A	8.453A	8.479A	2.399A	765.004	90.828%	1908	45.3	44.76°C	0.986
	12.165V	5.028V	3.302V	5.002V	842.247				53.78°C	229.71V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	62.727A	8.956A	9.004A	2.506A	849.72	90.213%	1913	45.6	45.77°C	0.987
	12.156V	5.025V	3.298V	4.989V	941.907				55.83°C	229.69V
110%	69.096A	9.96A	10.114A	2.512A	935.1	89.46%	1914	45.6	46.53°C	0.989
	12.147V	5.02V	3.292V	4.977V	1045.276				57.42°C	229.68V
CL1	0.113A	11.958A	12.008A	0A	101.284	84.758%	1050	27.5	40.62°C	0.896
	12.222V	5.034V	3.306V	5.129V	119.5				48.56°C	229.82V
CL2	0.113A	19.873A	0A	0A	101.328	83.454%	1054	26.5	41.39°C	0.899
	12.226V	5.029V	3.335V	5.135V	121.419				48.64°C	229.82V
CL3	0.113A	0A	20.06A	0A	67.38	77.313%	1033	26.9	41.22°C	0.843
	12.226V	5.055V	3.29V	5.135V	87.152				47.46°C	229.83V
CL4	69.812A	0A	0A	0A	849.563	90.9%	1918	45.7	45.82°C	0.987
	12.169V	5.051V	3.33V	5.07V	934.615				67.74°C	229.69V

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	1.212A	0.494A	0.493A	0.194A	19.993	70.857%	825	19.4	36.53°C	0.865
	12.239V	5.065V	3.347V	5.153V	28.218				39.71°C	114.83V
40W	2.671A	0.691A	0.69A	0.291A	39.994	81.186%	839	20.4	37.37°C	0.938
	12.237V	5.064V	3.346V	5.148V	49.263				40.67°C	114.83V
60W	4.130A	0.888A	0.888A	0.389A	59.994	85.228%	864	21.1	38.27°C	0.962
	12.236V	5.063V	3.344V	5.143V	70.392				41.81°C	114.83V
80W	5.582A	1.086A	1.086A	0.487A	79.926	87.063%	893	22.0	39.47°C	0.971
	12.234V	5.062V	3.343V	5.138V	91.803				43.44°C	114.81V

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	1.214A	0.494A	0.493A	0.194A	19.997	70.848%	765	16.5	36.8°C	0.527
	12.238V	5.065V	3.348V	5.153V	28.225				39.86°C	229.85V
40W	2.672A	0.691A	0.69A	0.291A	39.998	81.667%	801	18.3	37.58°C	0.695
	12.236V	5.064V	3.346V	5.148V	48.978				40.93°C	229.84V
60W	4.130A	0.889A	0.888A	0.389A	59.999	86.154%	839	20.4	38.57°C	0.793
	12.235V	5.063V	3.345V	5.143V	69.642				42.1°C	229.84V
80W	5.584A	1.086A	1.086A	0.487A	79.941	88.438%	879	21.5	39.45°C	0.849
	12.233V	5.062V	3.344V	5.138V	90.394				43.22°C	229.83V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	16.83mV	11.39mV	11.95mV	6.67mV	Pass
20% Load	15.65mV	11.60mV	13.64mV	6.62mV	Pass
30% Load	16.21mV	12.83mV	14.26mV	7.34mV	Pass
40% Load	17.03mV	13.24mV	14.47mV	7.85mV	Pass
50% Load	18.05mV	13.80mV	15.39mV	8.05mV	Pass
60% Load	17.75mV	14.73mV	17.85mV	8.37mV	Pass
70% Load	18.72mV	16.17mV	17.13mV	9.34mV	Pass
80% Load	21.89mV	16.12mV	19.03mV	10.16mV	Pass
90% Load	17.80mV	16.63mV	20.88mV	10.47mV	Pass
100% Load	29.82mV	19.01mV	22.24mV	12.97mV	Pass
110% Load	31.26mV	19.97mV	24.71mV	14.15mV	Pass
Crossload1	23.24mV	15.37mV	16.51mV	21.65mV	Pass
Crossload2	18.67mV	18.17mV	15.08mV	7.13mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	17.18mV	16.83mV	16.06mV	7.44mV	Pass
Crossload4	29.83mV	18.24mV	20.02mV	24.81mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	16.78mV	14.68mV	13.75mV	8.21mV	Pass
20% Load	16.11mV	13.60mV	13.85mV	7.64mV	Pass
30% Load	18.11mV	14.93mV	14.77mV	9.03mV	Pass
40% Load	16.78mV	14.27mV	15.80mV	8.98mV	Pass
50% Load	18.00mV	15.40mV	16.88mV	9.18mV	Pass
60% Load	17.95mV	16.68mV	17.70mV	9.70mV	Pass
70% Load	18.67mV	17.04mV	18.57mV	10.42mV	Pass
80% Load	21.38mV	17.40mV	21.86mV	11.34mV	Pass
90% Load	19.69mV	16.17mV	19.39mV	10.16mV	Pass
100% Load	29.02mV	19.17mV	21.08mV	11.99mV	Pass
110% Load	30.31mV	18.67mV	22.41mV	11.43mV	Pass
Crossload1	21.40mV	13.42mV	15.58mV	20.56mV	Pass
Crossload2	17.34mV	16.01mV	13.90mV	18.57mV	Pass
Crossload3	16.83mV	14.42mV	16.16mV	18.63mV	Pass
Crossload4	27.33mV	16.11mV	19.48mV	23.51mV	Pass

The results above are not used in the certification process

Gamer Storm PQ850G



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

PQ850G

黄金统治者



开关电源供应器

型号	PQ850G-FD				
交流输入	100-240Vac 10A Max 50-60Hz				
直流输出	+3.3V	+5V	+12V	-12V	+5VSB
最大输出电流	20A	20A	70A	0.3A	2.5A
最大组合功率	100W		840W	3.6W	12.5W
总功率	850W				

内有高压，请勿开启
危险警告



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中国制造

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

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