



Gamer Storm PQ1000G

Serial Number

Lab ID GA10002440

Certification ID 252440

Test Result Report ID: 24PS2440A

Certificate Issue Date: Sep 26, 2024

Scheme: ETA-EMI PSU

115V

A grey shield-shaped logo with a lightning bolt icon at the top, 'CYBENETICS' in the middle, and 'PLATINUM' at the bottom.

230V

A grey shield-shaped logo with a lightning bolt icon at the top, 'CYBENETICS' in the middle, 'PLATINUM' below it, and '230v' at the bottom.

115V

A green shield-shaped logo with a speaker icon at the top, 'CYBENETICS' in the middle, and 'A-' at the bottom.

230V

A green shield-shaped logo with a speaker icon at the top, 'CYBENETICS' in the middle, 'A-' below it, and '230v' at the bottom.

Scheme: LAMBDA PSU

A blue rounded rectangle with a lightning bolt icon, 'CYBENETICS' in white, 'ATX 3.1' in white, and 'PASS' in white on a black background.

Outside Validation Scope

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke.

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	PQ1000G
OEM/ODM	Helly Technology
Serial Number	
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12-6

Rated Frequency (Hz)	50-60
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 Hydro Dynamic Bearing Fan (HA1225M12F-Z)
Semi-Passive Operation	X
Cybenetics Testing Information	
Lab ID	GA10002440
Date of receipt	Sep 4, 2024
Testing Date	Sep 9, 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	83	3	0.3
	Watts	120		996	15	3.6
Total Max. Power (W)		1000				

Parts Description

Manufacturer (OEM)	Helly Technology
PCB Type	Double-Sided
Transient Filter	2x Y caps, 1x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF73T-1 (20 Ohm) & Relay
Bridge Rectifier(s)	2x
APFC MOSFETs	2x Oriental Semiconductor OSG55R140H (550V, 14.5A @ 100°C, Rds(on): 0.14Ohm)
APFC Boost Diode	1x G3S06510A (650V, 10A @ 155°C)
Bulk Cap(s)	1x Nichicon (400V, 820uF @ 105°C, GL)
Main Switchers	2x FuXin Semiconductor FXN45N50T (500V, 16.7A @ 100°C, Rds(on): 0.200hm)
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CM6901T6X

Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
+12V MOSFETs	8x Allpower APG013N04G-AU (40V, 100A @ 100°C, Rds(on): 1.3mOhm)
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), 2x Nippon Chemi-Con (2-5,000 @ 105°C, KZE) 3x Rubycon (2-10,000 @ 105°C, YXF), Polymer: 27x Apaq , 6x Jamicon, 1x Rubycon YXJ
Supervisor IC	Weltrend WT7527RA (OVD, PGO, UVD, OCD)
Fan Model	Hong Hua HA1225M12F-Z (125mm, 12V, 0.45A, Fluid Dynamic Bearing Fan)
High Side Rectifier	P6SMB (220V , 1A)
Standby PWM Controller	Excelliance MOS EM8564A

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)	89.168%
Average Noise Output (>1450 Load Combinations)	29.53dBA
Average PF (>1450 Load Combinations)	0.991
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	68.867%
Standby Power Consumption	0.0412W
Non-Accredited	
12V Ripple (Full Load)	36.02mV
5V Ripple (Full Load)	22.50mV
3.3V Ripple (Full Load)	20.11mV
5VSB Ripple (Full Load)	21.46mV
12V Load Regulation	0.09%
5V Load Regulation	0.53%
3.3V Load Regulation	1.09%
5VSB Load Regulation	5.11%
Inrush Current	32.270A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.576%
Average Noise Output (>1450 Load Combinations)	29.28dBA
Average PF (>1450 Load Combinations)	0.969
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	68.802%
Standby Power Consumption	0.0925W
Non-Accredited	
12V Ripple (Full Load)	35.29mV
5V Ripple (Full Load)	22.66mV
3.3V Ripple (Full Load)	21.23mV

5VSB Ripple (Full Load)	21.02mV	
12V Load Regulation	0.09%	
5V Load Regulation	0.53%	
3.3V Load Regulation	1.12%	
5VSB Load Regulation	5.18%	
Inrush Current	65.840A	
12V Transient Response (200%)	11.54V	
5V Transient Response (200%)	4.981V	
3.3V Transient Response (200%)	3.163V	
5VSB Transient Response (200%)	4.889V	
Hold-Up Time & PWR_OK Signal	20.90ms	
AC Loss to PWR_OK Hold Up Time	18.00ms	
PWR_OK Inactive to DC Loss Delay	2.90ms	
PSU Timings: T1 (20% / 100%)	59.0ms	59.0ms
PSU Timings: T3 (20% / 100%)	123.0ms	122.0ms
OPP (25.60°C / 42.25°C)	137.51%	136.31%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	20.9
AC Loss to PWR_OK Hold Up Time (ms)	18
PWR_OK Inactive to DC Loss Delay (ms)	2.9

Vampire Power

Tables

115V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.06 V	115.02 V	113.85 V	115.10 V	116.15 V	PASS

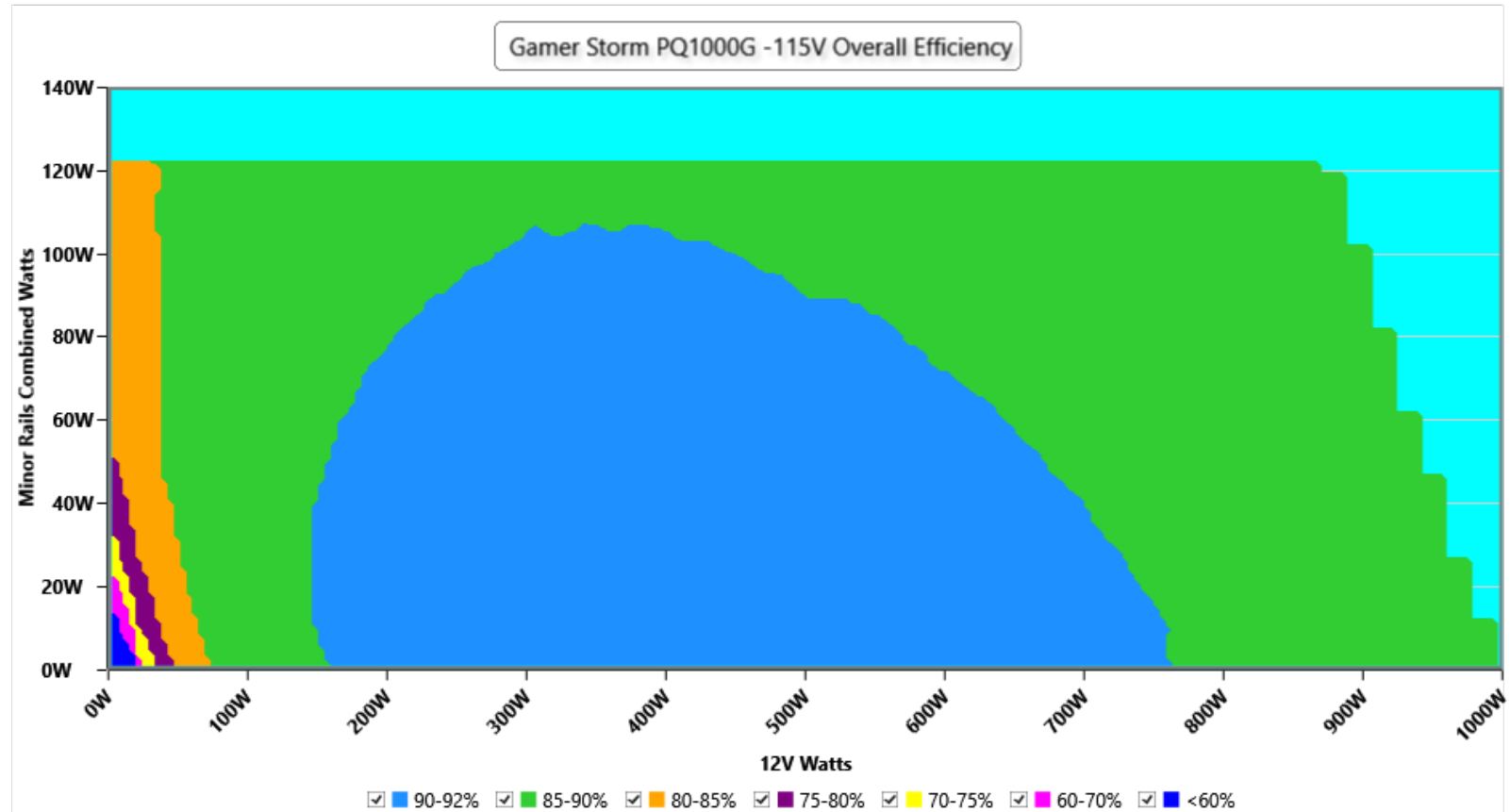
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.041 W	0.006 W	N/A	0.065 W	N/A	N/A
Apparent Power:	6.437 W	6.357 W	N/A	6.516 W	N/A	N/A
Power Factor:	0.008	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.00 V	230.90 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	1.419	1.490	PASS
Mains Voltage THD:	0.17 %	0.14 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.092 W	0.079 W	N/A	0.132 W	N/A	N/A
Apparent Power:	21.494 W	21.317 W	N/A	21.699 W	N/A	N/A
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A

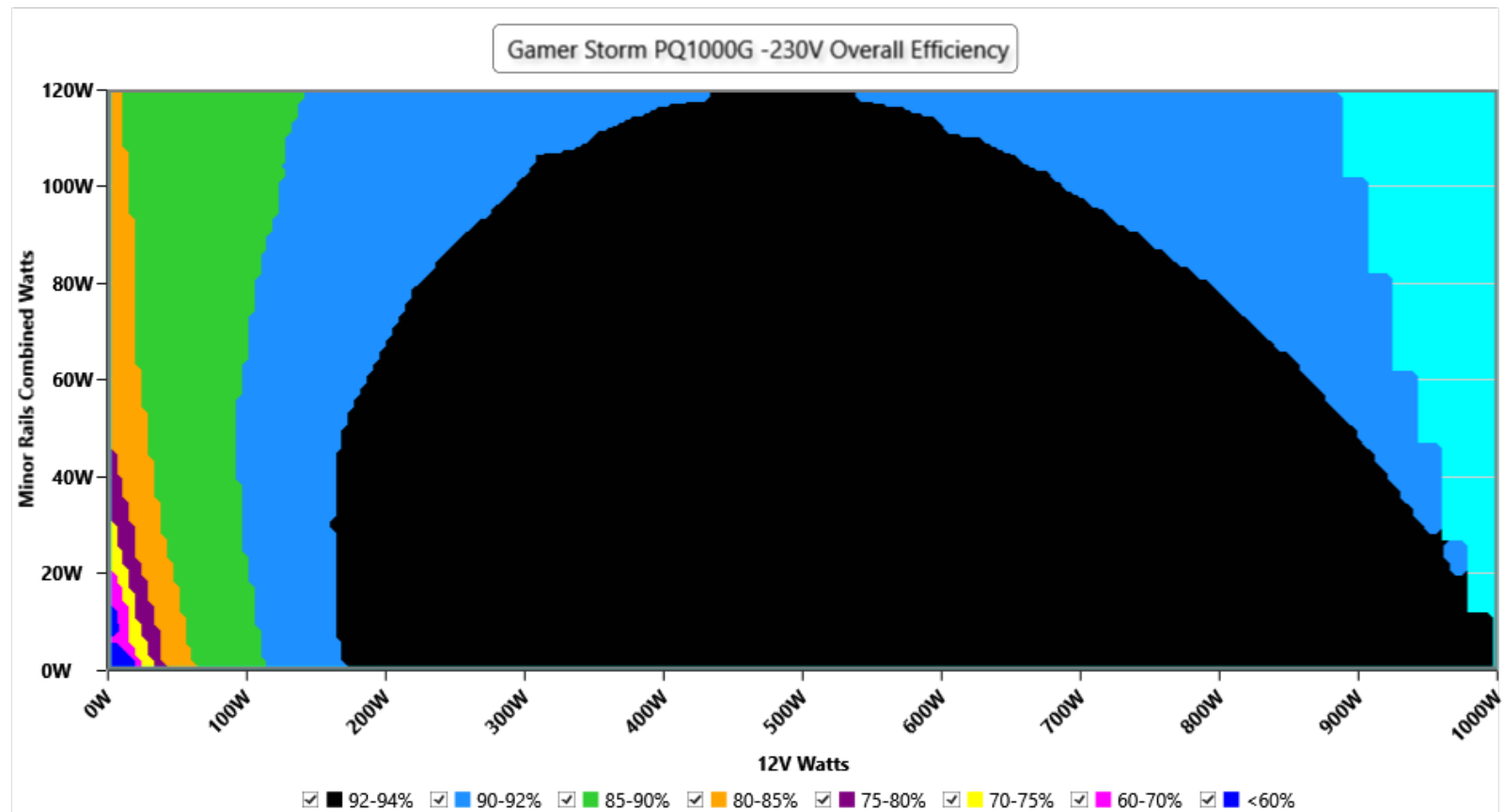
Efficiency Graph

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

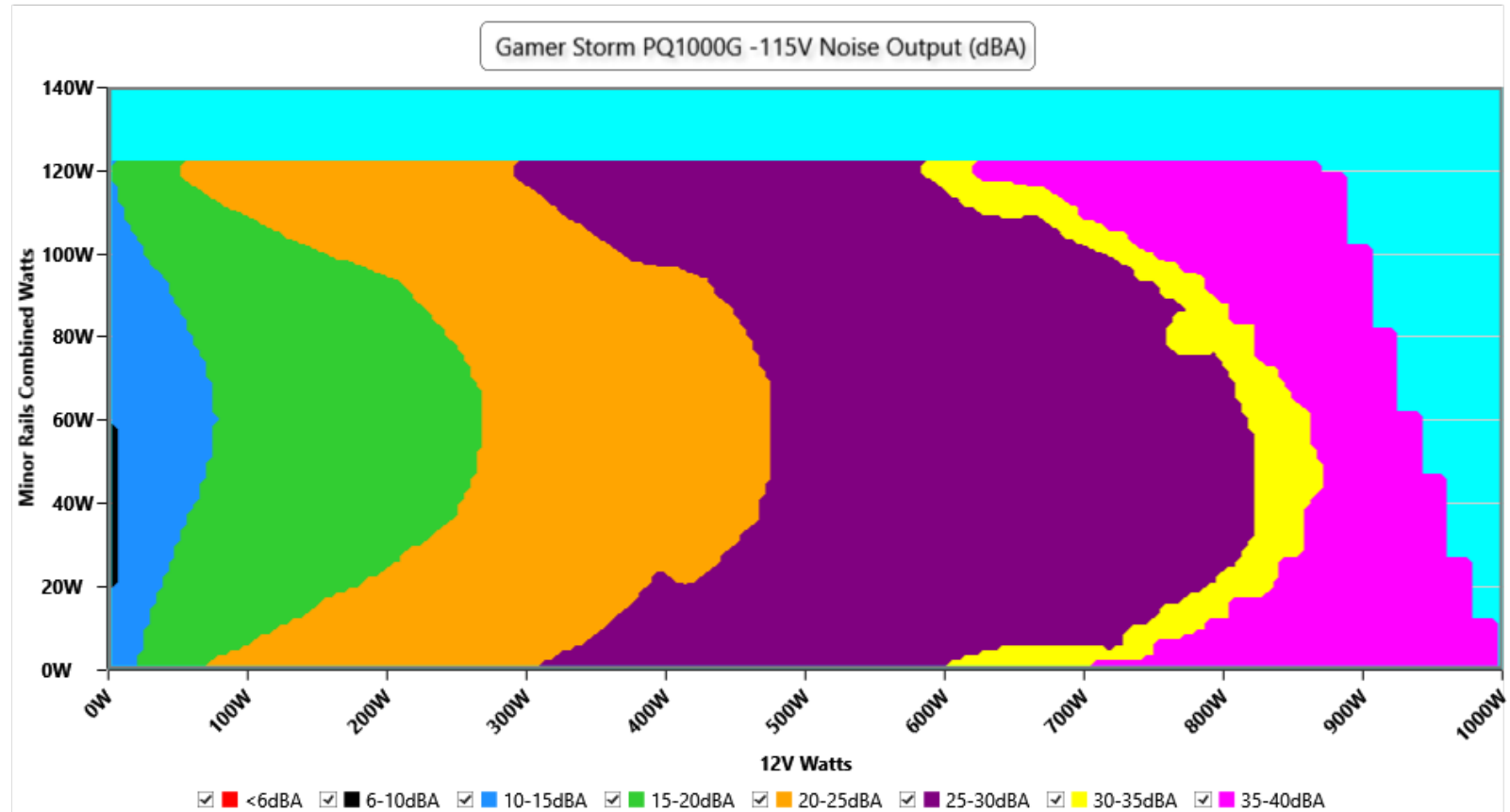


INFO

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

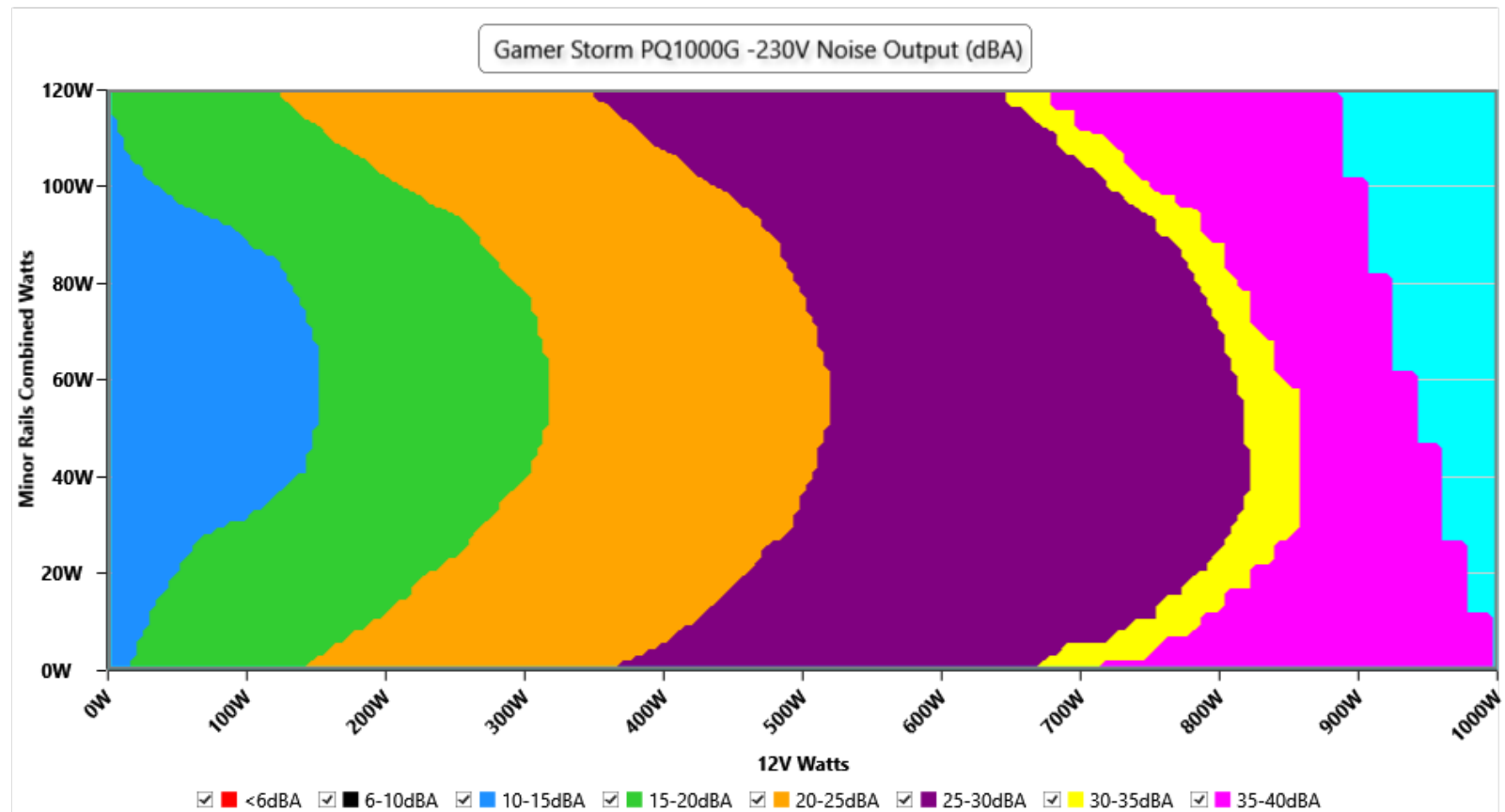
Noise Graph

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

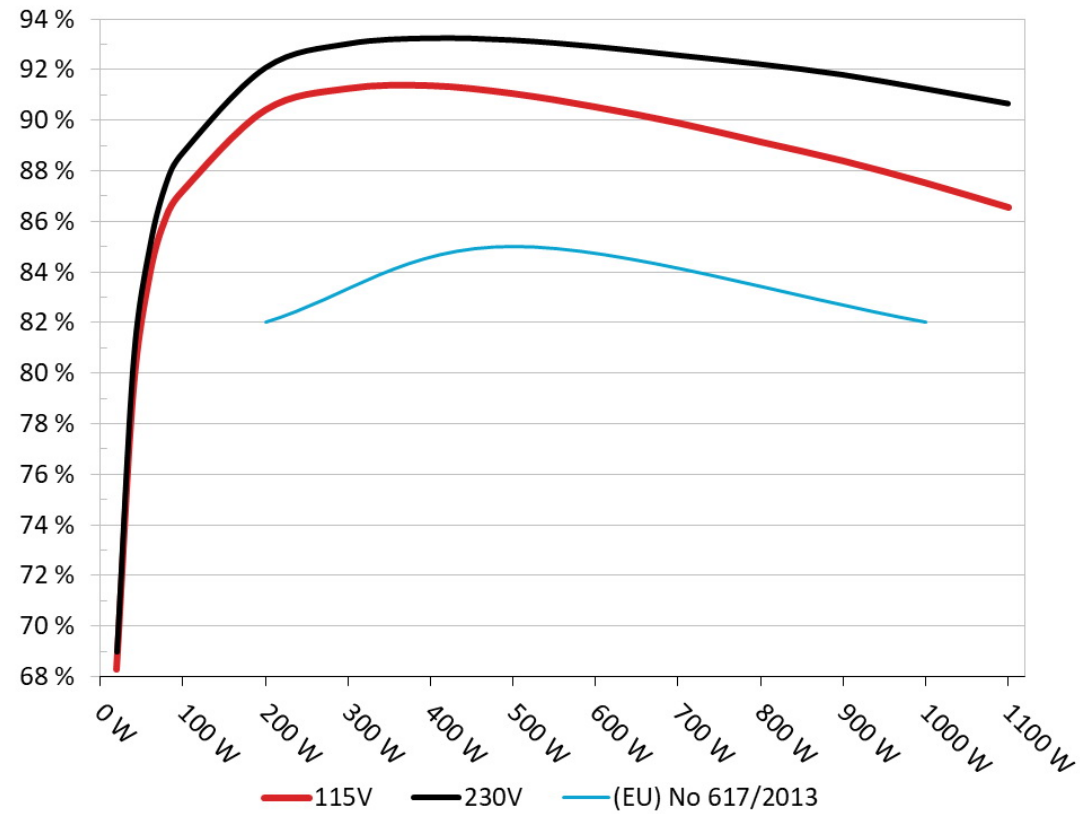
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: Gamer Storm PQ1000G

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



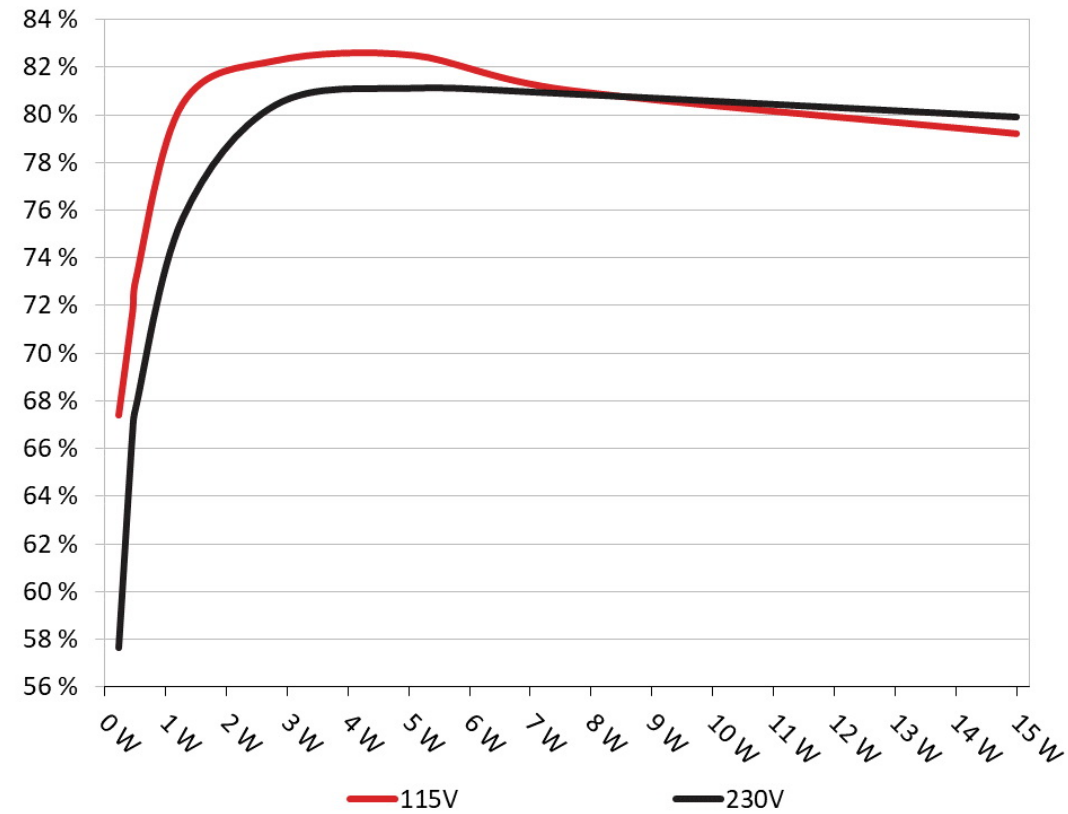
INFO

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 PQ1000G

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	0.231W	67.414%	0.05
	5.132V	0.343W		114.89V
2	0.09A	0.462W	71.818%	0.092
	5.13V	0.643W		114.88V
3	0.55A	2.81W	82.263%	0.348
	5.109V	3.416W		114.86V
4	1A	5.089W	82.487%	0.452
	5.089V	6.17W		114.87V
5	1.5A	7.6W	81.038%	0.51
	5.067V	9.378W		114.86V
6	3A	14.993W	79.207%	0.565
	4.998V	18.929W		114.86V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231W	57.659%	0.017
	5.132V	0.401W		229.94V
2	0.09A	0.462W	66.874%	0.03
	5.13V	0.691W		229.94V
3	0.55A	2.81W	80.416%	0.141
	5.109V	3.494W		229.94V
4	1A	5.089W	81.118%	0.229
	5.089V	6.274W		229.94V
5	1.5A	7.6W	80.885%	0.303
	5.067V	9.396W		229.94V
6	3A	14.993W	79.911%	0.404
	4.998V	18.763W		229.94V

Protection Features

Protection Features	
OCP (Cold @ 29°C)	12V: 108A (130.12%), 12.21V 5V: 31.9A (159.5%), 5.062V 3.3V: 32.2A (161%), 3.289V 5VSB: 4A (133.33%), 4.951V
OCP (Hot @ 43°C)	12V: 106.6A (128.43%), 12.223V 5V: 30.3A (151.5%), 5.07V 3.3V: 31.7A (158.5%), 3.29V 5VSB: 4A (133.33%), 4.943V
OPP (Cold @ 26°C)	1603.08W (133.59%)
OPP (Hot @ 42°C)	1439.07W (119.92%)
OTP	✓ (136°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
10%	6.419A	1.958A	1.986A	0.985A	99.971	87.196%	913	21.0	40.22°C	0.973
	12.209V	5.107V	3.323V	5.075V	114.651				44.45°C	114.83V
20%	13.846A	2.939A	2.982A	1.187A	199.906	90.391%	957	22.6	40.7°C	0.985
	12.207V	5.104V	3.32V	5.054V	221.157				45.25°C	114.8V
30%	21.623A	3.43A	3.482A	1.39A	299.941	91.242%	1005	24.0	41.4°C	0.989
	12.205V	5.102V	3.316V	5.035V	328.733				46.44°C	114.77V
40%	29.350A	3.922A	3.983A	1.595A	399.392	91.358%	1087	26.4	41.75°C	0.992
	12.204V	5.1V	3.313V	5.014V	437.173				47.41°C	114.74V
50%	36.764A	4.905A	4.985A	1.803A	499.149	91.047%	1209	29.7	42.08°C	0.994
	12.204V	5.097V	3.31V	4.993V	548.231				48.16°C	114.7V
60%	44.244A	5.89A	5.99A	2A	599.683	90.516%	1486	35.6	42.76°C	0.995
	12.204V	5.095V	3.306V	4.971V	662.519				49.32°C	114.66V
70%	51.654A	6.876A	6.998A	2.223A	699.524	89.887%	1571	37.6	43.11°C	0.996
	12.204V	5.091V	3.302V	4.948V	778.229				50.16°C	114.63V
80%	59.120A	7.861A	8.005A	2.332A	799.489	89.136%	1697	39.8	43.89°C	0.997
	12.206V	5.088V	3.297V	4.931V	896.94				51.89°C	114.61V
90%	66.923A	8.356A	8.499A	2.442A	899.253	88.389%	1814	42.1	44.57°C	0.997
	12.205V	5.086V	3.294V	4.914V	1017.381				53.66°C	114.56V
100%	74.515A	8.852A	9.024A	3.079A	999.246	87.518%	1895	42.7	45.59°C	0.997
	12.207V	5.083V	3.291V	4.872V	1141.778				55.66°C	114.52V
110%	82.027A	9.839A	10.131A	3.088A	1099.883	86.547%	1905	43.1	47.06°C	0.997
	12.210V	5.082V	3.286V	4.857V	1270.808				57.93°C	114.49V
CL1	0.113A	14.177A	14.416A	0A	121.288	82.309%	1692	39.8	42.55°C	0.98
	12.237V	5.093V	3.309V	5.095V	147.357				47.88°C	114.83V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	0.113A	19.65A	0A	0A	101.378	81.285%	1472	35.4	40.27°C	0.976
	12.226V	5.089V	3.326V	5.109V	124.72				44.5°C	114.83V
CL3	0.113A	0A	19.968A	0.001A	67.38	75.229%	1543	36.8	41.73°C	0.964
	12.217V	5.111V	3.305V	5.106V	89.567				43.99°C	114.85V
CL4	81.950A	0A	0A	0.001A	999.851	88.288%	1753	40.2	46.86°C	0.997
	12.201V	5.098V	3.303V	5.036V	1132.488				53.97°C	114.52V

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%	6.422A	1.958A	1.986A	0.985A	99.996	88.747%	916	21.0	40.14°C	0.894
	12.208V	5.107V	3.323V	5.074V	112.674				44.35°C	229.93V
20%	13.850A	2.939A	2.983A	1.187A	199.948	92.099%	975	23.0	40.74°C	0.954
	12.205V	5.104V	3.319V	5.053V	217.102				45.29°C	229.91V
30%	21.631A	3.431A	3.484A	1.391A	299.999	93.045%	1015	24.4	41.19°C	0.971
	12.202V	5.101V	3.316V	5.034V	322.423				46.25°C	229.89V
40%	29.369A	3.922A	3.985A	1.596A	399.573	93.266%	1118	27.7	41.73°C	0.978
	12.202V	5.1V	3.313V	5.013V	428.422				47.4°C	229.88V
50%	36.781A	4.906A	4.987A	1.803A	499.292	93.19%	1229	30.3	42.22°C	0.982
	12.201V	5.097V	3.309V	4.991V	535.781				48.31°C	229.86V
60%	44.254A	5.891A	5.991A	2A	599.789	92.933%	1479	35.4	42.61°C	0.985
	12.203V	5.094V	3.305V	4.97V	645.372				49.19°C	229.86V
70%	51.667A	6.877A	6.999A	2.224A	699.589	92.594%	1574	37.7	43.01°C	0.987
	12.203V	5.091V	3.301V	4.947V	755.544				50.06°C	229.83V
80%	59.147A	7.862A	8.007A	2.333A	799.577	92.238%	1703	39.8	43.88°C	0.988
	12.201V	5.087V	3.297V	4.93V	866.869				51.89°C	229.81V
90%	66.942A	8.358A	8.501A	2.443A	899.37	91.822%	1823	42.2	45.45°C	0.989
	12.203V	5.085V	3.293V	4.912V	979.487				54.57°C	229.79V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	74.542A	8.852A	9.028A	3.081A	999.379	91.266%	1897	42.8	45.81°C	0.99
	12.204V	5.083V	3.29V	4.869V	1095.014				55.84°C	229.78V
110%	82.068A	9.841A	10.135A	3.09A	1099.991	90.679%	1906	43.1	46.61°C	0.99
	12.205V	5.081V	3.285V	4.855V	1213.06				57.48°C	229.75V
CL1	0.115A	14.18A	14.42A	0A	121.3	83.834%	1683	39.7	41.6°C	0.925
	12.234V	5.092V	3.308V	5.095V	144.689				47.61°C	229.93V
CL2	0.113A	19.648A	0A	0A	101.38	82.976%	1418	34.3	40.26°C	0.905
	12.221V	5.089V	3.325V	5.109V	122.18				44.07°C	229.94V
CL3	0.113A	0A	19.971A	0.001A	67.382	76.522%	1534	36.6	42.32°C	0.858
	12.216V	5.112V	3.305V	5.106V	88.048				44.27°C	229.94V
CL4	81.998A	0A	0A	0.001A	999.846	92.027%	1714	39.9	45.18°C	0.989
	12.194V	5.097V	3.302V	5.036V	1086.477				52.09°C	229.79V

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	1.217A	0.489A	0.496A	0.195A	19.997	68.311%	764	14.9	36.52°C	0.866
	12.200V	5.11V	3.327V	5.121V	29.271				39.58°C	114.86V
40W	2.680A	0.685A	0.695A	0.293A	39.998	79.217%	789	16.0	37.68°C	0.932
	12.199V	5.109V	3.326V	5.115V	50.493				40.88°C	114.84V
60W	4.139A	0.881A	0.893A	0.391A	59.994	83.87%	831	18.1	38.62°C	0.956
	12.207V	5.109V	3.325V	5.108V	71.534				42.14°C	114.84V
80W	5.595A	1.077A	1.092A	0.49A	79.925	86.168%	857	19.0	39.48°C	0.965
	12.208V	5.108V	3.324V	5.101V	92.754				43.47°C	114.84V

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	1.218A	0.489A	0.496A	0.195A	19.997	68.979%	738	13.7	36.59°C	0.546
	12.198V	5.11V	3.327V	5.121V	28.99				39.65°C	229.94V
40W	2.680A	0.685A	0.694A	0.293A	39.998	80.503%	785	15.7	37.18°C	0.717
	12.197V	5.109V	3.326V	5.114V	49.687				40.44°C	229.94V
60W	4.140A	0.881A	0.893A	0.392A	59.998	85.039%	819	17.3	38.54°C	0.812
	12.205V	5.109V	3.325V	5.108V	70.555				42.11°C	229.93V
80W	5.596A	1.077A	1.092A	0.49A	79.943	87.56%	856	19.0	39.37°C	0.863
	12.207V	5.109V	3.324V	5.101V	91.3				43.21°C	229.93V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	20.26mV	14.84mV	18.56mV	15.90mV	Pass
20% Load	20.26mV	18.55mV	18.31mV	16.67mV	Pass
30% Load	18.87mV	15.20mV	18.36mV	17.08mV	Pass
40% Load	19.64mV	16.43mV	18.51mV	18.02mV	Pass
50% Load	21.14mV	17.57mV	18.82mV	18.58mV	Pass
60% Load	19.54mV	17.41mV	18.72mV	18.17mV	Pass
70% Load	19.75mV	16.38mV	18.67mV	18.89mV	Pass
80% Load	19.13mV	16.90mV	17.27mV	17.44mV	Pass
90% Load	23.41mV	18.45mV	19.13mV	18.53mV	Pass
100% Load	36.02mV	22.50mV	20.11mV	21.46mV	Pass
110% Load	38.17mV	22.61mV	21.29mV	22.75mV	Pass
Crossload1	30.17mV	19.83mV	21.21mV	31.17mV	Pass
Crossload2	19.49mV	18.65mV	18.67mV	30.51mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	19.90mV	18.80mV	19.03mV	29.83mV	Pass
Crossload4	36.11mV	20.43mV	18.75mV	33.02mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	19.49mV	14.99mV	16.96mV	16.05mV	Pass
20% Load	19.03mV	16.02mV	18.93mV	16.93mV	Pass
30% Load	18.10mV	15.71mV	18.67mV	16.72mV	Pass
40% Load	18.46mV	15.41mV	18.72mV	17.29mV	Pass
50% Load	19.08mV	16.12mV	18.88mV	18.38mV	Pass
60% Load	18.05mV	15.46mV	17.17mV	16.98mV	Pass
70% Load	17.58mV	16.07mV	16.55mV	16.98mV	Pass
80% Load	21.19mV	18.13mV	18.56mV	18.17mV	Pass
90% Load	19.95mV	17.62mV	18.05mV	17.70mV	Pass
100% Load	35.29mV	22.66mV	21.23mV	21.02mV	Pass
110% Load	37.26mV	21.65mV	20.21mV	22.25mV	Pass
Crossload1	28.67mV	18.92mV	21.21mV	31.20mV	Pass
Crossload2	14.54mV	15.04mV	16.45mV	28.54mV	Pass
Crossload3	18.15mV	16.54mV	18.05mV	29.68mV	Pass
Crossload4	35.10mV	19.64mV	19.53mV	32.26mV	Pass

The results above are not used in the certification process

Gamer Storm PQ1000G



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

PQ1000G

黄金统治者



开关电源供应器

型号	PQA00G-FD				
交流输入	100-240Vac 12-6A 50-60Hz 不适用于中国地区 200-240Vac 6.5A 50-60Hz 仅适用于中国地区 (for China or Korea region)				
直流输出	+3.3V	+5V	+12V	-12V	+5VSB
最大输出电流	20A	20A	83A	0.3A	3A
最大组合功率	120W		996W	3.6W	15W
总功率	1000W				

内有高压，请勿开启
危险警告



制造商：北京市九州风神科技股份有限公司

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

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