



GREEN MEDEL GP1000B-EDGE

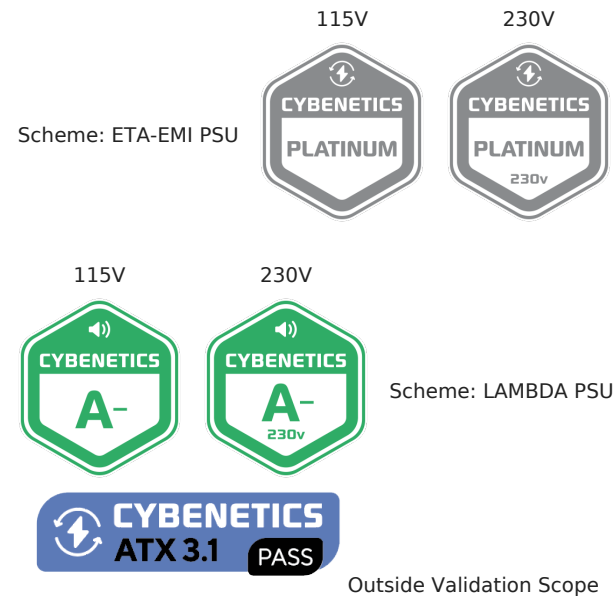
Serial Number

Lab ID GE10002641

Certification ID 252641

Test Result Report ID: 24PS2641A

Certificate Issue Date: Nov 13, 2024



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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	GREEN MEDEL
Model	GP1000B-EDGE
OEM/ODM	High Power
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	135mm Fluid Dynamic Bearing Fan (RL4Z S1352512H)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	GE10002641
Date of receipt	Oct 18, 2024
Testing Date	Nov 9, 2024
Report Issued Date	Nov 13, 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 24 pin (600mm)	1	1	16-18AWG	No
4+4 pin EPS12V (700mm)	2	2	16AWG	No
6+2 pin PCIe (700mm+150mm)	2	4	16-18AWG	No
6+2 pin PCIe (700mm)	1	1	16AWG	No
12+4 pin PCIe (600mm) (600W)	1	1	16-24AWG	No
SATA (550mm+150mm+150mm+150mm)	4	16	18AWG	No
4-pin Molex (550mm+150mm+150mm+150mm)	1	4	18AWG	No

AC Power Cord (1370mm) - C13 coupler	1	1	16AWG	-
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Protection Features(Manufacturer)

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

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	24	24	83.3	3	0.5
	Watts	120		1000	15	6
Total Max. Power (W)		1000				

Parts Description

General Data	
Manufacturer (OEM)	High Power
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV, 1x ChampionCMD02X (Discharge IC)
Inrush Protection	1x NTC Thermistor MF72-5D15 (5 ohm) & Relay
Bridge Rectifier(s)	2x Kanghong PBJ2506L (600V, 25A @ 25°C)
APFC MOSFETs	2x Infineon IPW60R099P7 (650V, 20A @ 100°C, Rds(on): 0.099Ohm)
APFC Boost Diode	1x Toshiba TRS10E65F (650V, 10A @ 25°C)

Bulk Cap(s)	2x Nichicon (450V, 560uF or combined 1120uF, 2000h @ 105°C, GL(M))
Main Switchers	2x Infineon IPA60R099P7 (650V, 20A @ 100°C, Rds(on): 0.0990hm)
Resonant Controller	Champion CU6901VAC
APFC Controller	Infineon ICE3PCS01G
Topology	Primary side: APFC, Half-Bridge & LLC Resonant Converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	6x Infineon BSC010N04LS (40V, 206A @ 100°C, Rds(on): 1.0mOhm)
5V & 3.3V	DC-DC Converters: 8x Infineon BSC0906NS (30V, 40A @ 100°C, Rds(on): 4.5mOhm) PWM Controller(s): ANPECAPW7159C
Filtering Capacitors	Electrolytic: 2x Nippon Chemi-con (2-5,000 @ 105°C, KZE) 5x Rubycon (6-10,000 @ 105°C, YXG) 2x Rubycon (6-10,000 @ 105°C, ZLJ) 1x Rubycon (4-10,000 @ 105°C, YXJ) 1x Rubycon (4-10,000 @ 105°C,) Polymer: 18x FPCAP, 5x Nippon Chemi-con
Supervisor IC	Weltrend WT7527RA (OVP, UVP, OCP, PG)
Fan Controller	STMicroelectronics STC15W401AS
Fan Model	Globe RL4Z S1352512HH (135mm, 12V, 0.45A, Fluid Dynamic Bearing Fan)
5VSB	
Rectifier(s)	1x Infineon IPN70R1K4P7S (700V, 2.5A @ 100°C, Rds(on): 1.40Ohm) & 1x PFC Device Corporation P10V45SP (45V, 10A)
Standby PWM Controller	Si-Trend SI8016H

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	✓
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Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	89.739%
Average Noise Output (>1450 Load Combinations)	28.16dBA
Average PF (>1450 Load Combinations)	0.992
Efficiency With 10W ($\leq$ 500W) or 2% (>500W) Load	73.720%
Standby Power Consumption	0.0705W
Non-Accredited	
12V Ripple (Full Load)	24.79mV
5V Ripple (Full Load)	11.05mV
3.3V Ripple (Full Load)	9.92mV
5VSB Ripple (Full Load)	26.89mV
12V Load Regulation	1.21%
5V Load Regulation	0.54%
3.3V Load Regulation	1.00%
5VSB Load Regulation	2.49%
Inrush Current	52.060A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.612%
Average Noise Output (>1450 Load Combinations)	28.75dBA
Average PF (>1450 Load Combinations)	0.963
Efficiency With 10W ($\leq$ 500W) or 2% (>500W) Load	68.074%
Standby Power Consumption	0.1569W
Non-Accredited	
12V Ripple (Full Load)	25.29mV

5V Ripple (Full Load)	10.90mV	
3.3V Ripple (Full Load)	9.60mV	
5VSB Ripple (Full Load)	26.54mV	
12V Load Regulation	1.22%	
5V Load Regulation	0.54%	
3.3V Load Regulation	1.03%	
5VSB Load Regulation	2.51%	
Inrush Current	79.170A	
12V Transient Response (200%)	11.34V	
5V Transient Response (200%)	4.963V	
3.3V Transient Response (200%)	3.182V	
5VSB Transient Response (200%)	4.952V	
Hold-Up Time & PWR_OK Signal	26.40ms	
AC Loss to PWR_OK Hold Up Time	20.70ms	
PWR_OK Inactive to DC Loss Delay	5.70ms	
PSU Timings: T1 (20% / 100%)	50.0ms	103.0ms
PSU Timings: T3 (20% / 100%)	130.0ms	130.0ms
12V OCP (28.7°C / 42.9°C)	121.80A (146.22%), 12.030V	110.60A (132.77%), 12.046V
5V OCP (28.7°C / 42.9°C)	31.9A (132.92%), 5.007V	31.9A (132.92%), 5.006V
3.3V OCP (28.7°C / 42.9°C)	31.3A (130.42%), 3.312V	31.3A (130.42%), 3.314V
5VSB OCP (28.7°C / 42.9°C)	5.7A (190.00%), 4.953V	5.6A (186.67%), 4.953V
OPP (29.08°C / 44.14°C)	143.56%	127.95%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	26.4
AC Loss to PWR_OK Hold Up Time (ms)	20.7
PWR_OK Inactive to DC Loss Delay (ms)	5.7

Vampire Power

Tables

115V

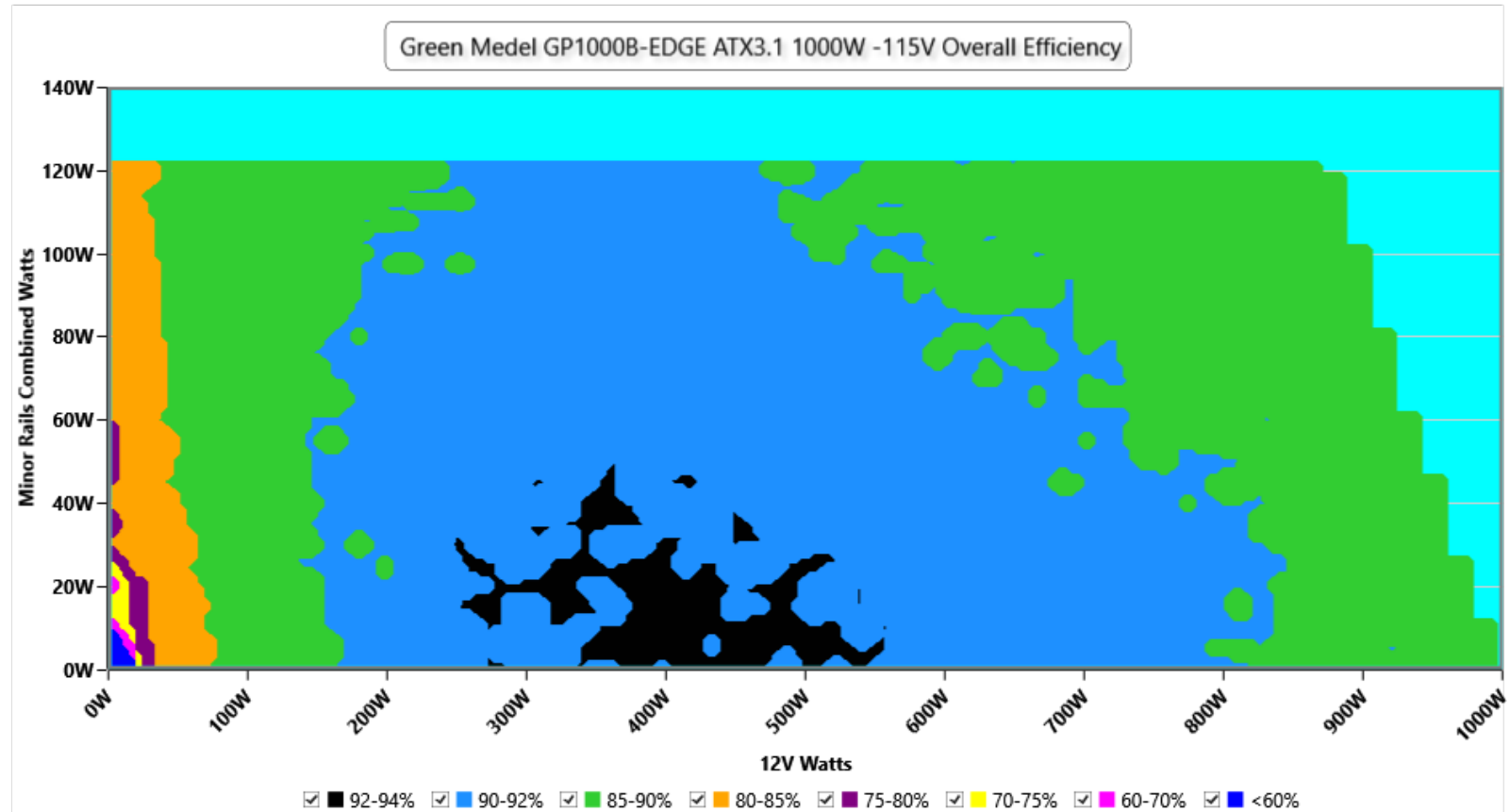
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.06 V	115.03 V	113.85 V	115.10 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.18 %	2.00 %	PASS
Real Power:	0.071 W	-0.001 W	N/A	0.133 W	N/A	N/A
Apparent Power:	11.022 W	10.629 W	N/A	11.421 W	N/A	N/A
Power Factor:	0.010	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	230.94 V	227.70 V	231.09 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	0.25 %	2.00 %	PASS
Real Power:	0.157 W	0.094 W	N/A	0.243 W	N/A	N/A
Apparent Power:	36.605 W	35.825 W	N/A	37.488 W	N/A	N/A
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A

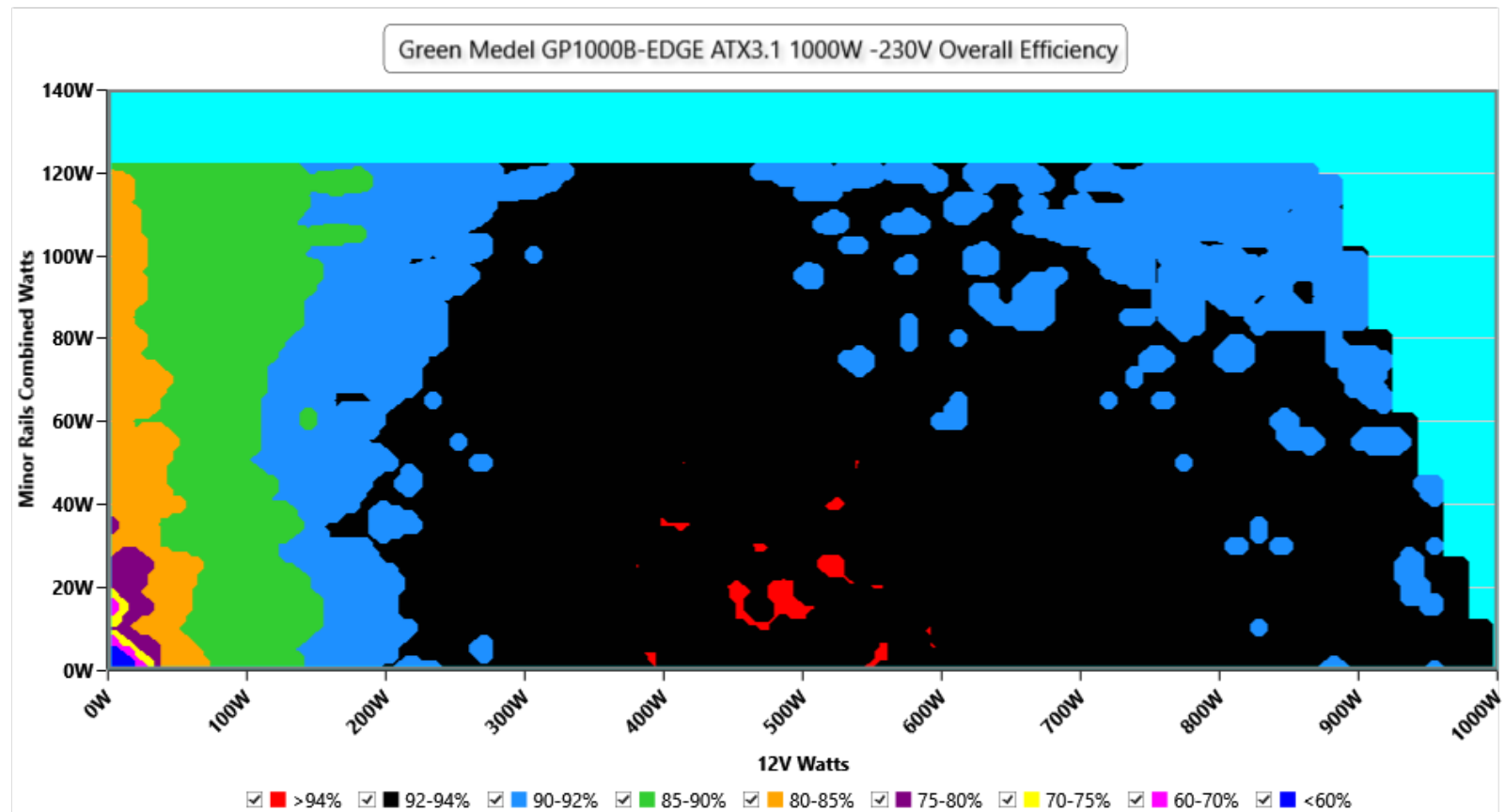
Efficiency Graph

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

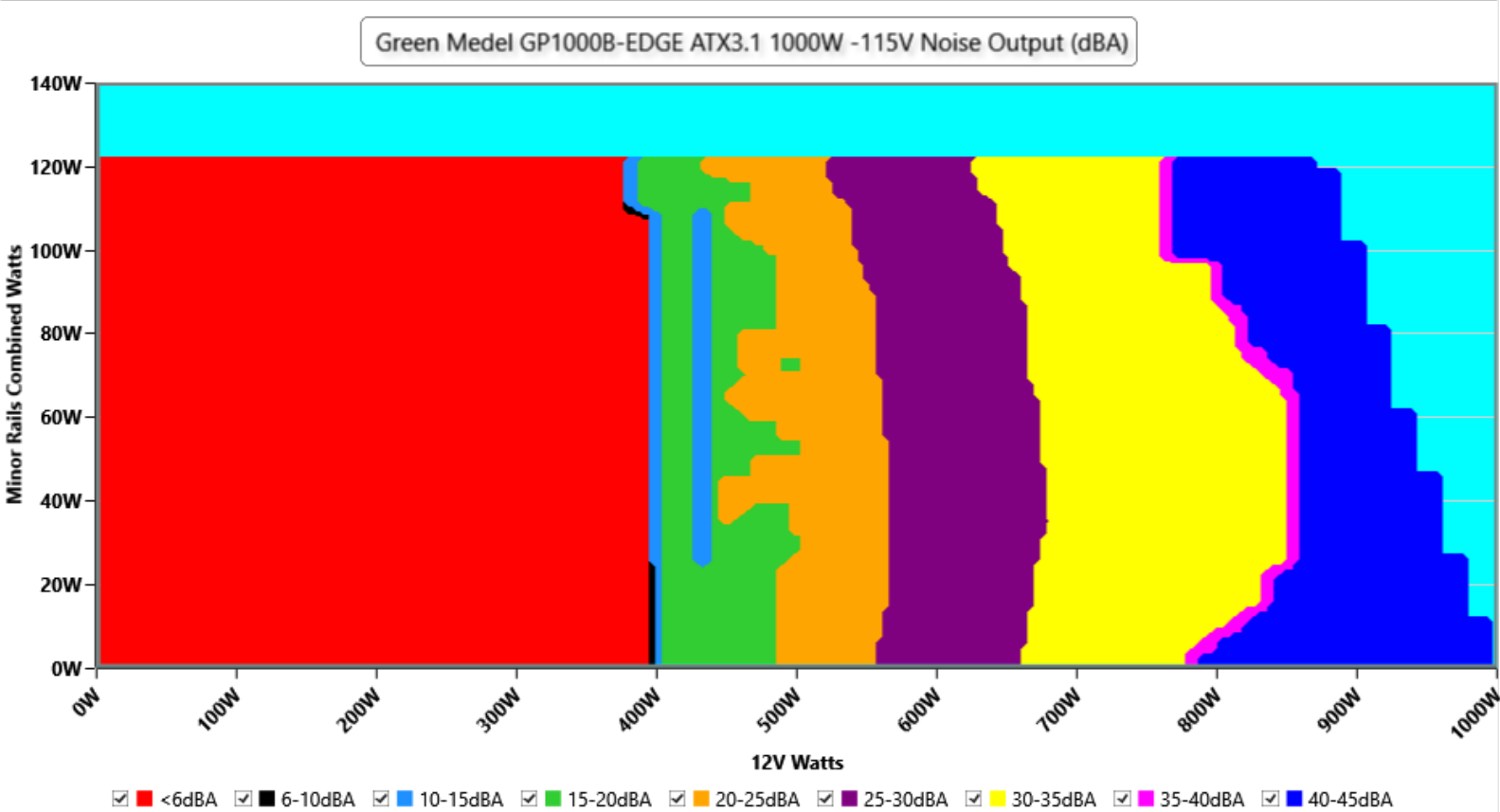


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This graph depicts the PSU's efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

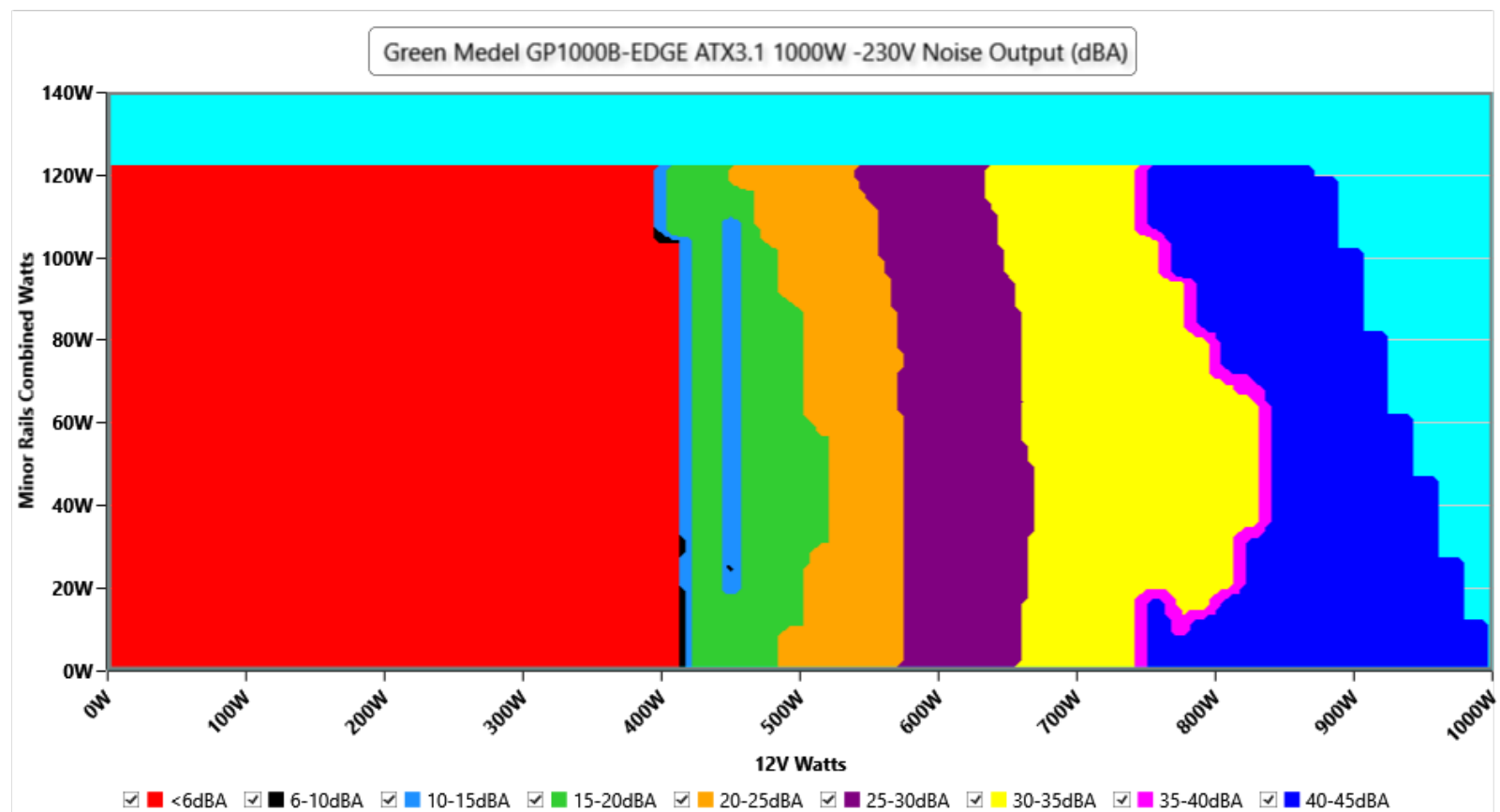
Noise Graph

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

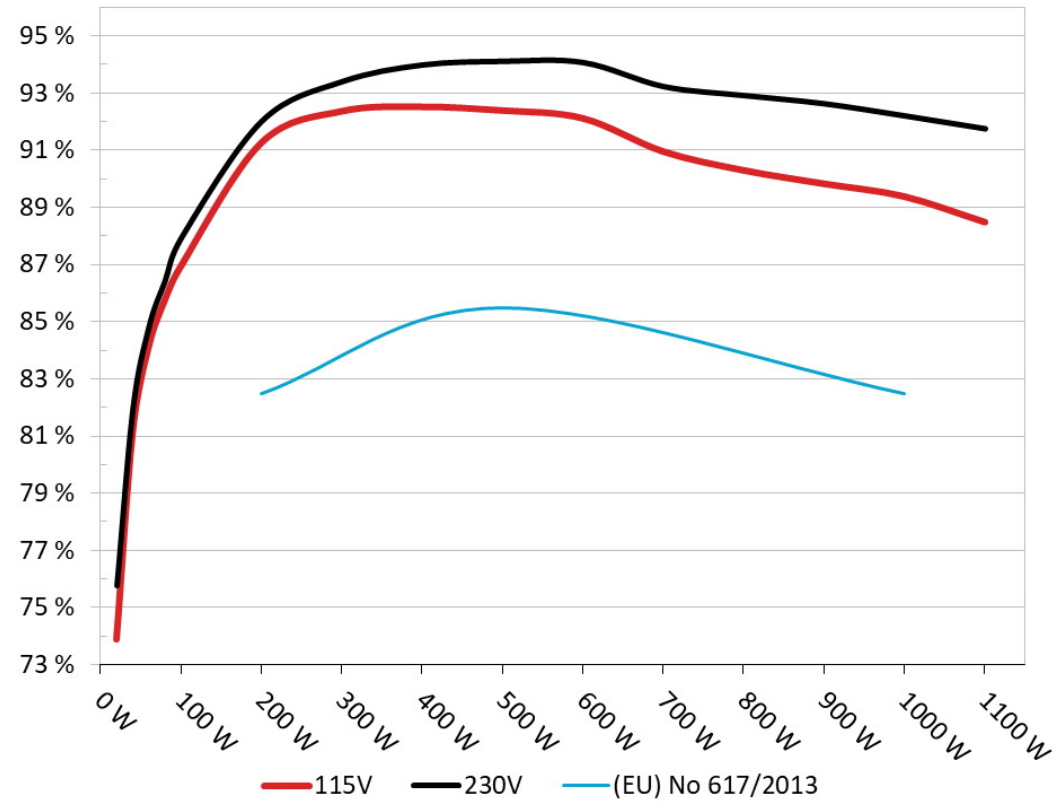
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: Green Medel GP1000B-EDGE 1000W (ATXv3.1)

Ambient: 36°C - 46°C (96.8°F - 114.8°F)



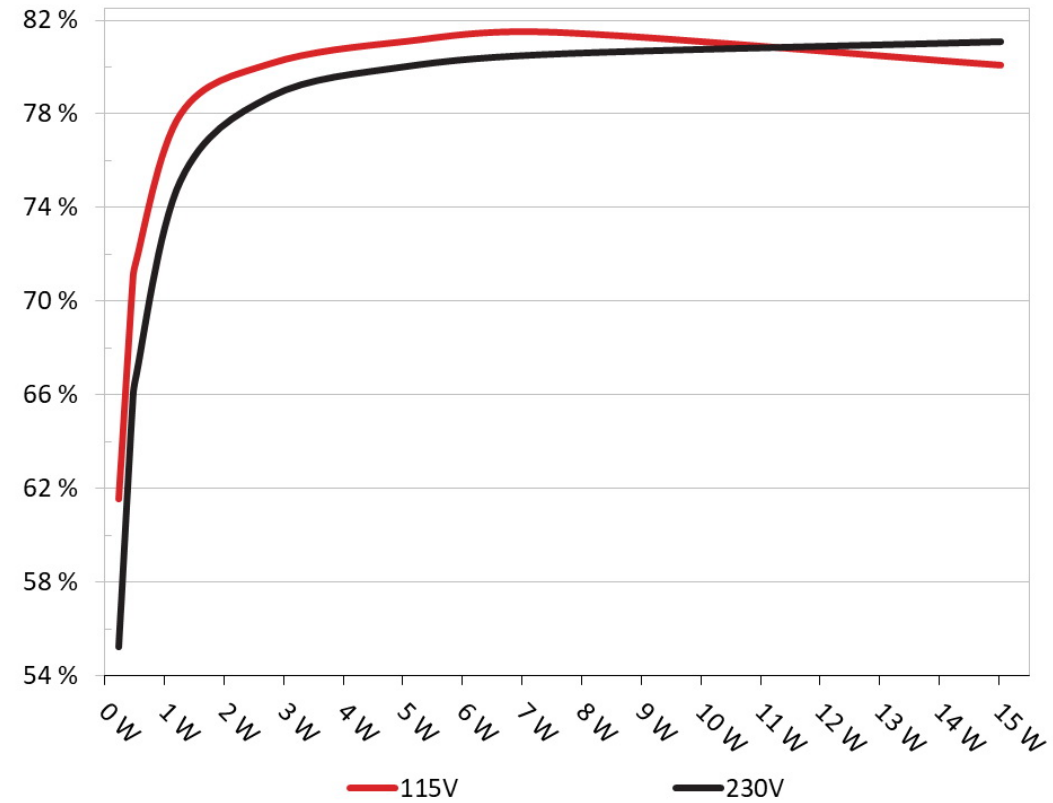
INFO

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: Green Medel GP1000B-EDGE 1000W (ATXv3.1)

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	0.228W	61.08%	0.037
	5.063V	0.373W		115.18V
2	0.09A	0.456W	70.127%	0.063
	5.063V	0.65W		115.18V
3	0.55A	2.781W	79.677%	0.264
	5.054V	3.491W		115.18V
4	1A	5.047W	80.619%	0.361
	5.045V	6.26W		115.18V
5	1.5A	7.556W	81.005%	0.413
	5.036V	9.328W		115.18V
6	3.001A	15.021W	79.605%	0.484
	5.006V	18.87W		115.17V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.228W	54.75%	0.012
	5.063V	0.418W		230.45V
2	0.09A	0.456W	64.941%	0.021
	5.062V	0.703W		230.45V
3	0.55A	2.781W	78.251%	0.1
	5.054V	3.555W		230.44V
4	1A	5.047W	79.524%	0.166
	5.045V	6.346W		230.44V
5	1.501A	7.556W	80.058%	0.224
	5.036V	9.439W		230.44V
6	3.001A	15.023W	80.584%	0.328
	5.007V	18.641W		230.44V

Protection Features

OCP (Normal @ 28.7°C)	12V: 121.80A (146.22%), 12.030V 5V: 31.9A (132.92%), 5.007V 3.3V: 31.3A (130.42%), 3.312V 5VSB: 5.7A (190.00%), 4.953V
OCP (Hot @ 42.9°C)	12V: 110.60A (132.77%), 12.046V 5V: 31.9A (132.92%), 5.006V 3.3V: 31.3A (130.42%), 3.314V 5VSB: 5.6A (186.67%), 4.953V
OPP (Normal @ 29.1°C)	1435.61W (143.56%)
OPP (Hot @ 44.1°C)	1279.54W (127.95%)
OTP	✓ (142°C @ 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 & 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%	6.486A	1.981A	1.98A	0.993A	100.025	86.432%	0	<6.0	49.85°C	0.974
	12.089V	5.048V	3.334V	5.035V	115.74				40.33°C	115.15V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20%	13.992A	2.974A	2.973A	1.195A	199.981	90.747%	0	<6.0	49.62°C	0.991
	12.084V	5.046V	3.331V	5.024V	220.382				40.91°C	115.13V
30%	21.857A	3.471A	3.472A	1.396A	300.041	91.855%	416	<6.0	41.29°C	0.997
	12.078V	5.043V	3.327V	5.014V	326.641				50.48°C	115.1V
40%	29.729A	3.97A	3.972A	1.599A	399.871	92.007%	683	19.1	41.54°C	0.996
	12.064V	5.04V	3.324V	5.005V	434.59				48.59°C	115.06V
50%	37.253A	4.966A	4.972A	1.803A	499.639	91.881%	709	20.9	42.31°C	0.996
	12.056V	5.036V	3.32V	4.994V	543.778				49.76°C	115.04V
60%	44.846A	5.963A	5.972A	2.001A	600.177	91.607%	795	25.3	42.61°C	0.996
	12.050V	5.033V	3.316V	4.983V	655.116				50.37°C	115.01V
70%	52.394A	6.961A	6.976A	2.213A	699.975	90.447%	979	33	43.18°C	0.997
	12.041V	5.03V	3.313V	4.971V	773.928				51.12°C	114.98V
80%	60.006A	7.96A	7.98A	2.318A	800.02	89.789%	1379	41.4	43.95°C	0.997
	12.034V	5.027V	3.309V	4.962V	891.017				50.46°C	114.95V
90%	67.958A	8.462A	8.472A	2.423A	899.796	89.32%	1498	43.3	44.47°C	0.997
	12.027V	5.025V	3.306V	4.953V	1007.363				51.37°C	114.92V
100%	75.696A	8.961A	8.994A	3.04A	999.686	88.875%	1501	43.3	45.85°C	0.998
	12.022V	5.023V	3.303V	4.935V	1124.866				58°C	114.89V
110%	83.379A	9.963A	10.095A	3.045A	1100.392	87.977%	1754	47	46.28°C	0.998
	12.018V	5.02V	3.299V	4.927V	1250.823				60.49°C	114.86V
CL1	0.118A	14.355A	14.349A	0A	121.333	82.842%	426	<6.0	41.16°C	0.982
	12.077V	5.03V	3.324V	5.044V	146.487				53.98°C	115.17V
CL2	0.116A	23.902A	0A	0.001A	121.414	81.002%	848	27.6	40.05°C	0.984
	12.082V	5.021V	3.338V	5.051V	149.885				52.08°C	115.17V
CL3	0.116A	0A	23.861A	0A	80.608	75.376%	875	29.5	40.18°C	0.973
	12.066V	5.054V	3.319V	5.045V	106.944				52.05°C	115.18V
CL4	83.147A	0A	0A	0A	1000.524	89.005%	1680	46.5	45.53°C	0.998
	12.033V	5.038V	3.311V	4.999V	1124.078				59.16°C	114.89V

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%	6.488A	1.982A	1.98A	0.993A	100.026	87%	0	<6.0	49.16°C	0.847
	12.089V	5.048V	3.333V	5.036V	114.947				40.23°C	230.41V
20%	13.994A	2.974A	2.973A	1.194A	199.986	91.494%	0	<6.0	49.87°C	0.933
	12.082V	5.046V	3.33V	5.024V	218.638				40.59°C	230.41V
30%	21.871A	3.473A	3.473A	1.396A	300.069	92.879%	413	<6.0	41.37°C	0.959
	12.071V	5.041V	3.326V	5.016V	323.072				47.31°C	230.43V
40%	29.737A	3.97A	3.973A	1.599A	399.94	93.461%	418	<6.0	41.64°C	0.976
	12.063V	5.039V	3.323V	5.005V	427.955				48.38°C	230.42V
50%	37.252A	4.966A	4.972A	1.803A	499.672	93.587%	716	21.1	42.1°C	0.985
	12.057V	5.036V	3.319V	4.995V	533.893				48.83°C	230.41V
60%	44.844A	5.963A	5.972A	2.001A	600.19	93.546%	800	25.5	42.79°C	0.988
	12.050V	5.033V	3.316V	4.984V	641.638				49.36°C	230.4V
70%	52.384A	6.961A	6.975A	2.213A	699.962	92.709%	978	33	43.02°C	0.991
	12.043V	5.03V	3.313V	4.972V	755.067				51.29°C	230.39V
80%	59.995A	7.96A	7.98A	2.318A	800.008	92.396%	1385	41.4	43.53°C	0.993
	12.036V	5.027V	3.309V	4.963V	865.9				51.59°C	230.38V
90%	67.944A	8.461A	8.471A	2.423A	899.802	92.109%	1508	43.3	44.95°C	0.994
	12.029V	5.025V	3.306V	4.954V	976.973				53.2°C	230.37V
100%	75.694A	8.962A	8.994A	3.04A	999.825	91.685%	1649	46.2	45.19°C	0.996
	12.024V	5.023V	3.302V	4.935V	1090.269				54.52°C	230.34V
110%	83.380A	9.963A	10.095A	3.045A	1100.469	91.235%	1748	47	46.2°C	0.997
	12.019V	5.02V	3.299V	4.927V	1206.202				56.61°C	230.32V
CL1	0.118A	14.354A	14.349A	0A	121.336	83.502%	426	<6.0	40.08°C	0.888
	12.078V	5.03V	3.324V	5.045V	145.323				51.56°C	230.45V
CL2	0.116A	23.903A	0A	0.001A	121.416	81.6%	425	<6.0	41.68°C	0.895
	12.082V	5.021V	3.338V	5.051V	148.793				51.15°C	230.45V
CL3	0.116A	0A	23.861A	0A	80.611	75.853%	415	<6.0	42.78°C	0.835
	12.081V	5.054V	3.319V	5.045V	106.286				51.01°C	230.45V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL4	83.114A	0A	0A	0A	1000.369	92.397%	1590	45	45.07°C	0.996
	12.036V	5.039V	3.312V	4.999V	1082.811				54.39°C	230.35V

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	1.240A	0.495A	0.495A	0.198A	20.014	73.387%	0	<6.0	43.44°C	0.811
	11.987V	5.05V	3.336V	5.058V	27.278				36.27°C	115.18V
40W	2.730A	0.693A	0.693A	0.297A	40.012	80.63%	0	<6.0	44.94°C	0.914
	11.976V	5.049V	3.335V	5.054V	49.682				37.52°C	115.18V
60W	4.224A	0.892A	0.891A	0.396A	60.009	83.629%	0	<6.0	45.24°C	0.951
	11.963V	5.049V	3.335V	5.051V	71.784				38.1°C	115.17V
80W	5.722A	1.09A	1.089A	0.495A	79.975	85.245%	0	<6.0	48.22°C	0.967
	11.945V	5.049V	3.335V	5.047V	93.853				39.31°C	115.17V

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	1.240A	0.495A	0.495A	0.198A	20.009	75.281%	0	<6.0	43.55°C	0.424
	11.986V	5.05V	3.336V	5.059V	26.621				36.41°C	230.4V
40W	2.730A	0.693A	0.693A	0.297A	40.007	81.475%	0	<6.0	45.74°C	0.601
	11.976V	5.049V	3.335V	5.055V	49.139				37.71°C	230.41V
60W	4.225A	0.892A	0.891A	0.396A	60.006	84.337%	0	<6.0	45.8°C	0.729
	11.961V	5.049V	3.334V	5.052V	71.25				38.29°C	230.41V
80W	5.722A	1.09A	1.089A	0.495A	79.97	85.927%	0	<6.0	47.5°C	0.803
	11.943V	5.048V	3.334V	5.048V	93.081				39.05°C	230.41V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	12.1 mV	7.0 mV	5.0 mV	17.6 mV	Pass
20% Load	12.8 mV	7.5 mV	4.5 mV	17.0 mV	Pass
30% Load	14.6 mV	7.7 mV	4.3 mV	18.0 mV	Pass
40% Load	12.8 mV	7.8 mV	4.5 mV	19.1 mV	Pass
50% Load	12.6 mV	8.1 mV	4.6 mV	19.6 mV	Pass
60% Load	13.4 mV	9.0 mV	5.1 mV	20.0 mV	Pass
70% Load	15.7 mV	8.7 mV	5.7 mV	21.9 mV	Pass
80% Load	14.7 mV	9.3 mV	8.4 mV	22.2 mV	Pass
90% Load	15.2 mV	9.4 mV	8.7 mV	22.8 mV	Pass
100% Load	24.8 mV	11.1 mV	9.9 mV	26.9 mV	Pass
110% Load	25.8 mV	12.1 mV	11.0 mV	27.2 mV	Pass
Crossload 1	16.0 mV	11.9 mV	9.3 mV	20.1 mV	Pass
Crossload 2	11.3 mV	15.0 mV	5.4 mV	18.2 mV	Pass
Crossload 3	9.6 mV	8.4 mV	12.0 mV	17.5 mV	Pass
Crossload 4	25.5 mV	8.8 mV	7.3 mV	25.4 mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.1 mV	7.5 mV	4.4 mV	17.0 mV	Pass
20% Load	13.3 mV	7.6 mV	4.2 mV	17.7 mV	Pass
30% Load	14.6 mV	7.7 mV	4.6 mV	17.9 mV	Pass
40% Load	12.0 mV	7.5 mV	4.5 mV	19.2 mV	Pass
50% Load	11.1 mV	8.1 mV	4.8 mV	19.4 mV	Pass
60% Load	12.4 mV	8.2 mV	5.0 mV	20.3 mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
70% Load	14.1 mV	9.1 mV	5.5 mV	21.9 mV	Pass
80% Load	14.0 mV	9.5 mV	8.7 mV	22.3 mV	Pass
90% Load	14.4 mV	9.4 mV	8.5 mV	23.2 mV	Pass
100% Load	25.3 mV	10.9 mV	9.6 mV	26.5 mV	Pass
110% Load	25.7 mV	11.5 mV	10.9 mV	26.9 mV	Pass
Crossload 1	16.1 mV	12.4 mV	10.0 mV	19.9 mV	Pass
Crossload 2	12.0 mV	13.7 mV	5.4 mV	18.0 mV	Pass
Crossload 3	9.7 mV	8.8 mV	11.4 mV	17.9 mV	Pass
Crossload 4	24.9 mV	8.8 mV	7.4 mV	24.6 mV	Pass

The results above are not used in the certification process

GREEN MEDEL GP1000B-EDGE



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



GREEN®

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1000W

Continuous Power

ATX 3.1 SWITCHING POWER SUPPLY

MODEL: GP1000B-EDGE

AC INPUT CONDITIONS	100-240V~		50-60Hz	12-6A max	Active PFC
DC OUTPUT VOLTAGE	+5V	+3.3V	+12V	-12V	+5V-SB
DC OUTPUT CURRENT	24A	24A	83.3A	0.5A	3A
COMBINED WATTAGE	120W		1000W	6W	15W
TOTAL WATTAGE	1000 Watt Continuous Power				

- The maximum continuous total DC output power shall not exceed 1000 watt.

- The maximum continuous combined load on +3.3V and +5V outputs shall not exceed 120 watt.

- The maximum continuous load on +12V single output shall not exceed 1000 watt.



FANLESS

UP TO ~35%
LOADING

















USA - ENGLAND

WARNING: HAZARDOUS VOLTAGES CONTAINED WITHIN THIS POWER SUPPLY. NOT USER SERVICEABLE. RETURN TO SERVICE CENTER FOR REPAIR OR REPLACE.

GERMANY

WARNING: GEFAHRLICHE SPANNUNGEN INNERHALB DIESES NETZTEILS. NICHT SELBST ERHALTEN UND ZURÜCK ZUM SERVICE CENTER FÜR REPARATUR ODER ERSETZEN.

SPAIN

ADVERTENCIA: TENSIONES PELIGROSAS CONTENIDAS EN ESTA FUENTE DE PODER. NO POR EL USUARIO. VOLVER AL CENTRO DE SERVICIO DE REPARACIÓN O REEMPLAZO.

EDGE

SERIES

ATX 3.1 POWER SUPPLY

40 A0032 1790A A

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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