SMX Okame G3 1000W

Serial Number 5905386993067

Lab ID SX10002819

Certification ID 252819

Test Result Report ID: 25PS2819A

Certificate Issue Date: May 21, 2025

Scheme: ETA-EMI PSU

115V



230V



Scheme: LAMBDA PSU

115V



230V





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	SMX
Model	Okame G3 1000W
OEM/ODM	-
Serial Number	5905386993067
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240

Rated Current (Arms)	16
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 Rifle Bearing Fan (EFS-12E12H)
Semi-Passive Operation	✗
Cybenetics Testing Information	
Lab ID	SX10002819
Date of receipt	Apr 23, 2025
Testing Date	May 20, 2025
Report Issued Date	May 21, 2025
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 (600mm)	1	1	18-22AWG	No
4+4 pin EPS12V (700mm)	2	2	18AWG	No
6+2 pin PCIe (600mm+150mm)	2	4	18AWG	No
12+4 pin PCIe (600mm) (600W)	1	1	16-24AWG	No
SATA (500mm+155mm+155mm)	3	9	18AWG	No

Protection Features

Under Voltage Protection	✓
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	83.5	3	0.3
	Watts	103		1000	15	3.6
Total Max. Power (W)		1000				

Parts Description

General Data	
Manufacturer (OEM)	No Info
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistors MF72 20D-15 (20 Ohm @ 25 °C) & Relay
Bridge Rectifier(s)	2x
APFC MOSFETs	2x Fuxin Semiconductor FXN70S65TF
APFC Boost Diode	1x Global Power G3S06510A (650V, 10A @ 155°C)
Bulk Cap(s)	2x Nippon Chemi-con (400V, 470uF each or 940uF combined, 2000h @ 105°C,KMW)

Main Switchers	2x Fuxin Semiconductor FXN30S65GT
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CM6901T6X
Topology	Primary side: APFC, Half-Bridge & LLC Resonant Converter Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	8x Alkaidsemi AKG40N013G (40V, 110A @ 100°C, Rds(on): 1.3mOhm)
5V & 3.3V	DC-DC Converters: 4x Excelliance EMB06N03R (20V, 45A @ 100°C, Rds(on): 6mOhm) PWM Controller(s): 2x Aplustek AT8853ZSPC
Filtering Capacitors	Electrolytic: 5x TK (@105°C, SZ) Polymer: 33x Chengx
Supervisor IC	IN1S4291-SCG
Fan Model	DWPH EFS-12E12H (120mm, 12V, 0.50A, Rifle Bearing Fan)
5VSB	
Rectifier	1x Dongke Semiconductor DK5V45R10S (45V, 10mOhm)
Standby PWM Controller	FuXin Semiconductor FXI8252S

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)	89.494%
Average Noise Output (>1450 Load Combinations)	28.23dBA
Average PF (>1450 Load Combinations)	0.966
Efficiency With 10W (≤500W) or 2% (>500W) Load	69.508%
Standby Power Consumption	0.0270W
Non-Accredited	
12V Ripple (Full Load)	28.61mV
5V Ripple (Full Load)	16.43mV
3.3V Ripple (Full Load)	17.86mV
5VSB Ripple (Full Load)	29.72mV
12V Load Regulation	0.66%
5V Load Regulation	0.55%
3.3V Load Regulation	1.12%
5VSB Load Regulation	7.33%
Inrush Current	44.540A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.426%
Average Noise Output (>1450 Load Combinations)	28.29dBA
Average PF (>1450 Load Combinations)	0.935
Efficiency With 10W (≤500W) or 2% (>500W) Load	71.738%
Standby Power Consumption	0.0756W
Non-Accredited	
12V Ripple (Full Load)	26.95mV
5V Ripple (Full Load)	16.13mV
3.3V Ripple (Full Load)	17.20mV

5VSB Ripple (Full Load)		29.43mV
12V Load Regulation		0.72%
5V Load Regulation		0.63%
3.3V Load Regulation		1.12%
5VSB Load Regulation		7.74%
Inrush Current		55.920A
12V Transient Response (200%)		11.32V
5V Transient Response (200%)		4.961V
3.3V Transient Response (200%)		3.257V
5VSB Transient Response (200%)		4.968V
Hold-Up Time & PWR_OK Signal		18.50ms
AC Loss to PWR_OK Hold Up Time		17.40ms
PWR_OK Inactive to DC Loss Delay		1.10ms
PSU Timings: T1 (20% / 100%)	39.0ms	39.0ms
PSU Timings: T3 (20% / 100%)	127.0ms	127.0ms
12V OCP (28.1°C / 44.4°C)	112.60A (134.85%), 12.156V	108.20A (129.58%), 12.188V
5V OCP (28.1°C / 44.4°C)	25.8A (129.00%), 4.997V	25.8A (129.00%), 4.989V
3.3V OCP (28.1°C / 44.4°C)	26.8A (134.00%), 3.244V	26.8A (134.00%), 3.262V
5VSB OCP (28.1°C / 44.4°C)	4.4A (146.67%), 4.753V	4.6A (153.33%), 4.753V
OPP (30.57°C / 43.05°C)	133.22%	128.77%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	18.5
AC Loss to PWR_OK Hold Up Time (ms)	17.4
PWR_OK Inactive to DC Loss Delay (ms)	1.1

Vampire Power

Tables

115V

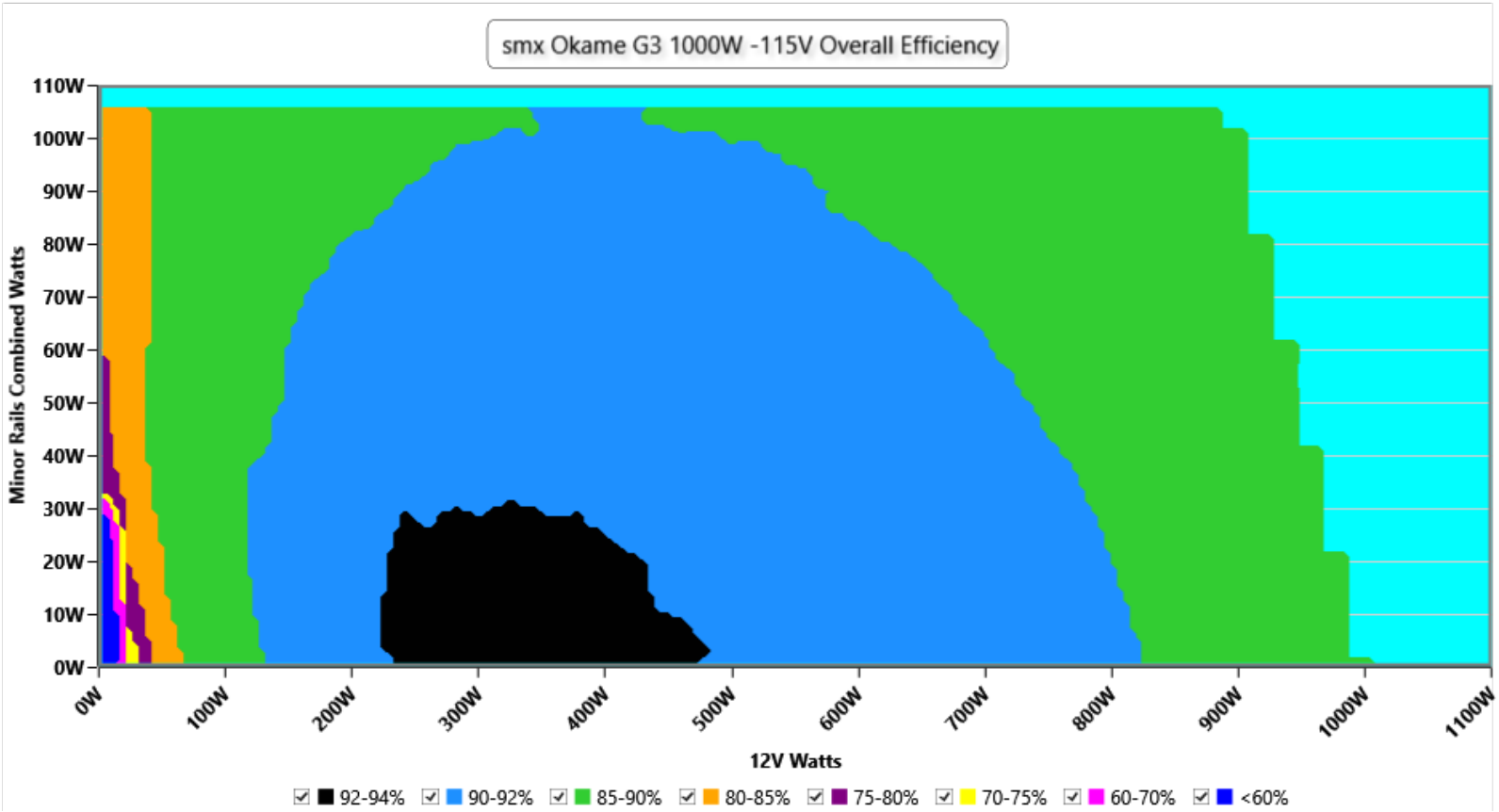
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.06 V	115.02 V	113.85 V	115.11 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.95 Hz	59.40 Hz	60.02 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.08 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.027 W	-0.015 W	N/A	0.064 W	N/A	N/A
Apparent Power:	3.734 W	3.585 W	N/A	3.868 W	N/A	N/A
Power Factor:	0.007	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.01 V	230.92 V	227.70 V	231.08 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:	0.076 W	0.037 W	N/A	0.153 W	N/A	N/A
Apparent Power:	12.348 W	12.145 W	N/A	12.579 W	N/A	N/A
Power Factor:	0.005	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

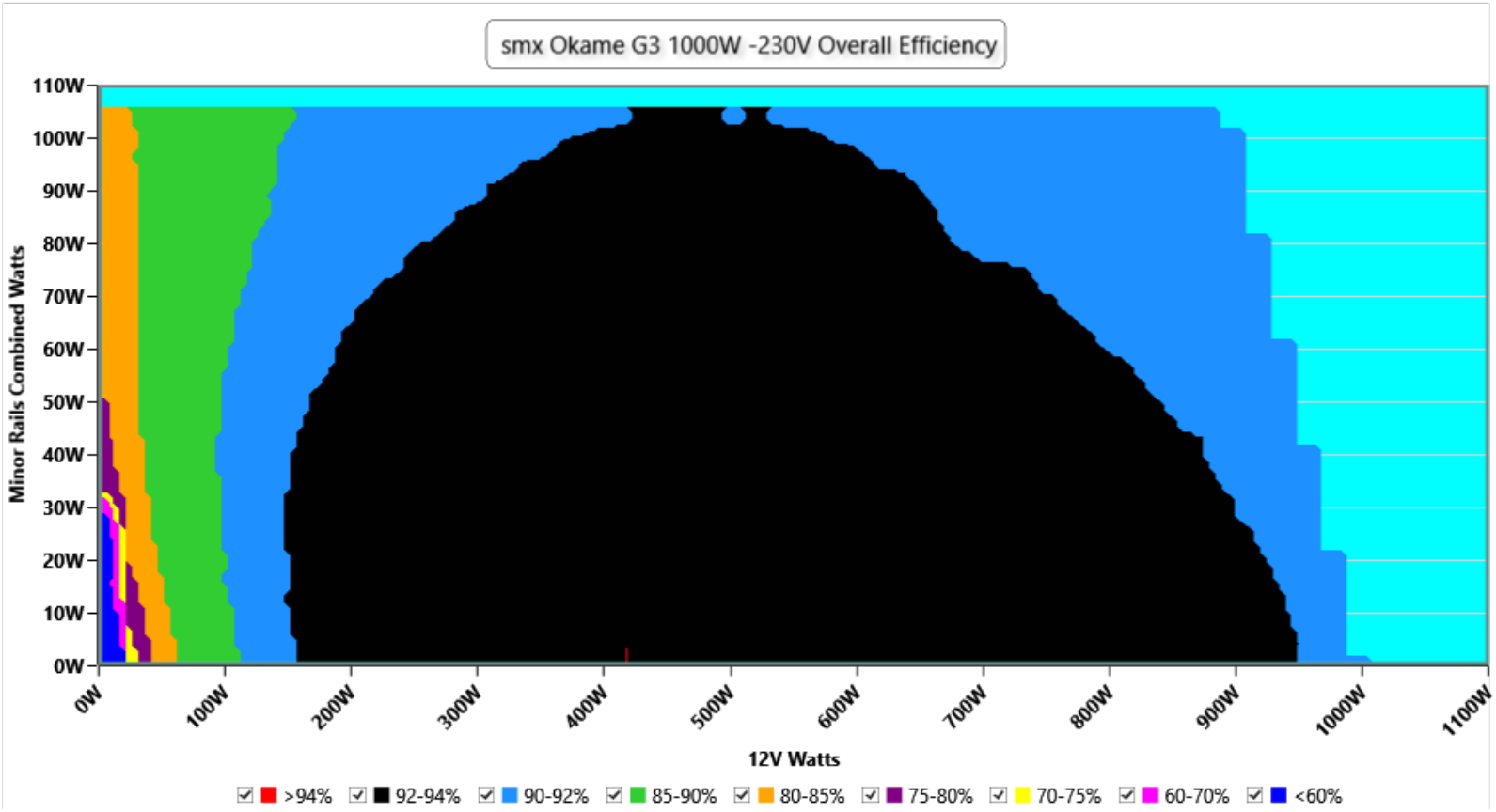
115V



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

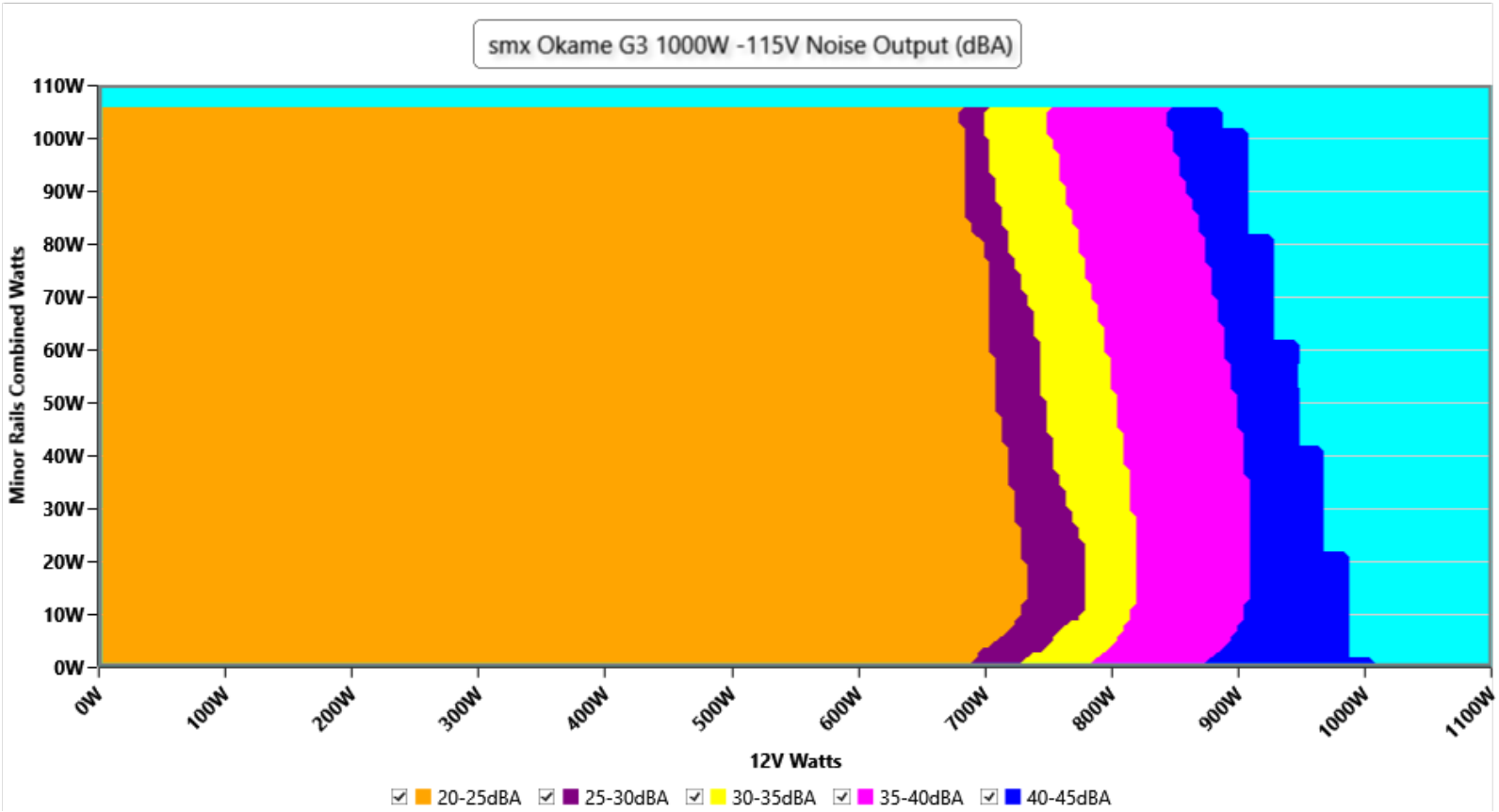


INFO

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

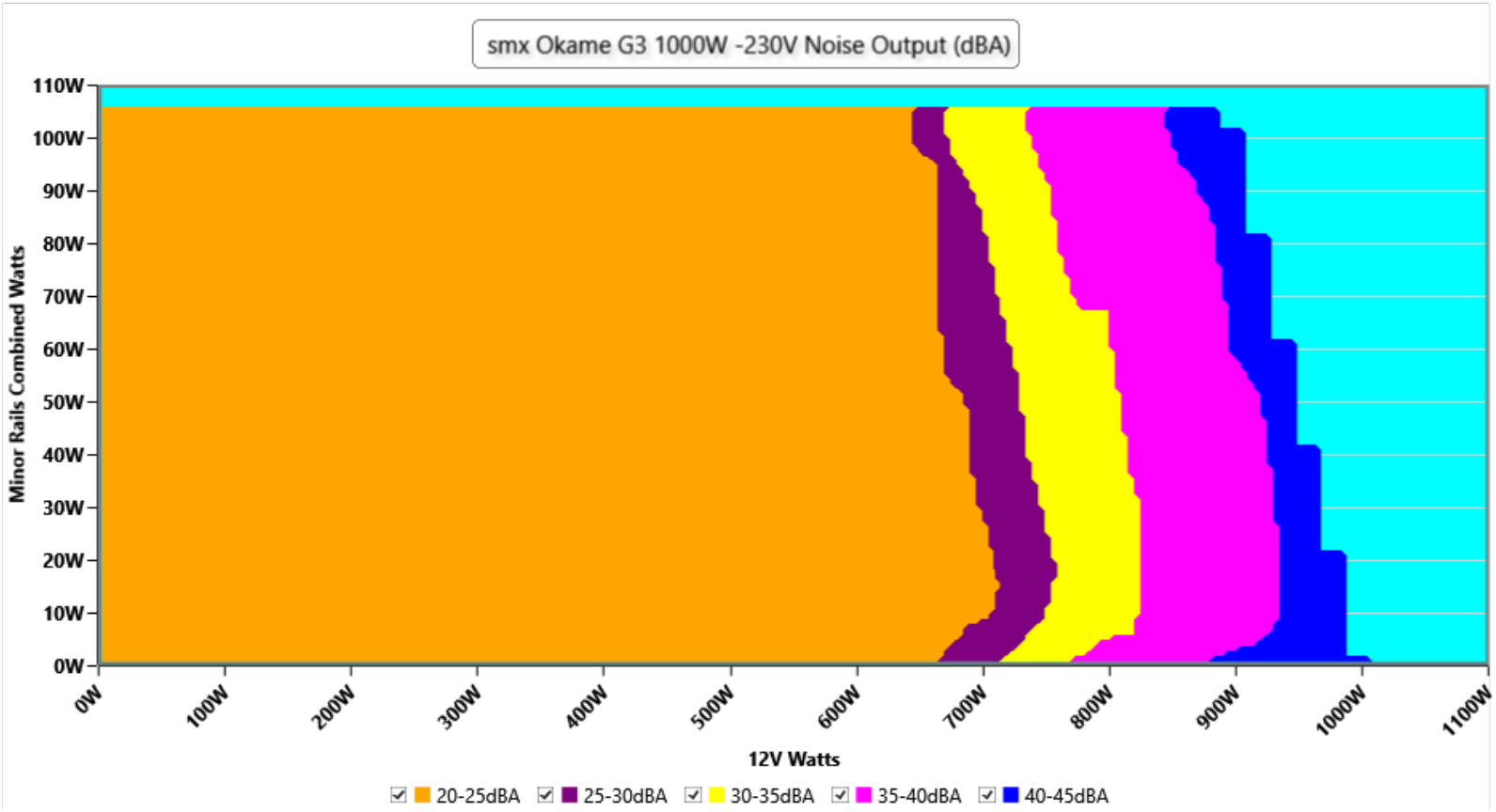
115V



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

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%	854 RPM · 20.7 dB(A) · 30.2 °C	869 RPM · 21.6 dB(A) · 40.4 °C	**+0.9 dB(A)**
20%	854 RPM · 20.7 dB(A) · 30.2 °C	873 RPM · 21.4 dB(A) · 40.5 °C	**+0.7 dB(A)**
50%	861 RPM · 20.9 dB(A) · 30.1 °C	881 RPM · 21.3 dB(A) · 42.1 °C	**+0.4 dB(A)**
100%	1765 RPM · 41.4 dB(A) · 30.3 °C	1856 RPM · 43.1 dB(A) · 45.5 °C	**+1.7 dB(A)**

230V

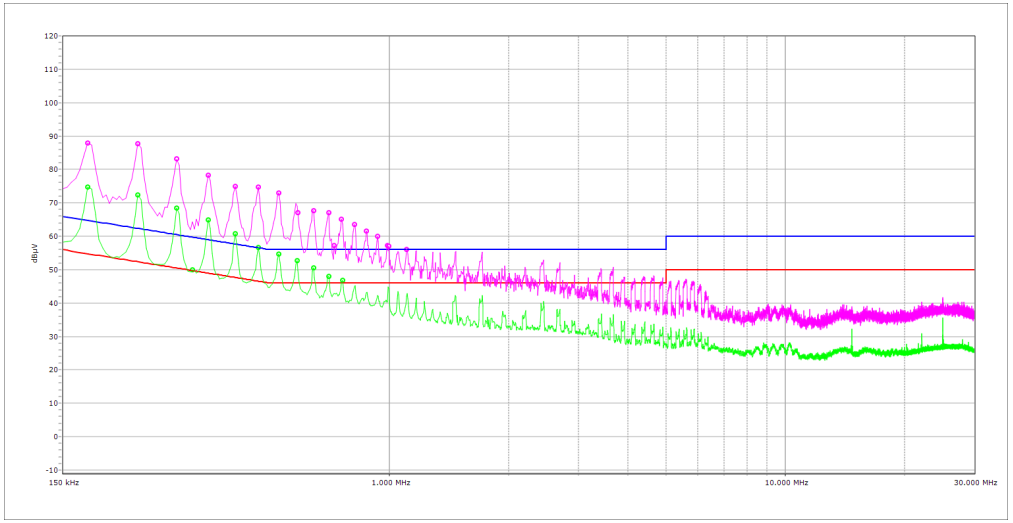
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	851 RPM · 20.7 dB(A) · 31.0 °C	867 RPM · 21.6 dB(A) · 40.4 °C	**+0.9 dB(A)**
20%	854 RPM · 20.7 dB(A) · 30.8 °C	872 RPM · 21.4 dB(A) · 40.5 °C	**+0.7 dB(A)**
50%	859 RPM · 21.2 dB(A) · 30.1 °C	1345 RPM · 33.8 dB(A) · 42.4 °C	**+12.6 dB(A)**
100%	1728 RPM · 40.8 dB(A) · 30.1 °C	1859 RPM · 43.2 dB(A) · 41.4 °C	**+2.4 dB(A)**

INFO

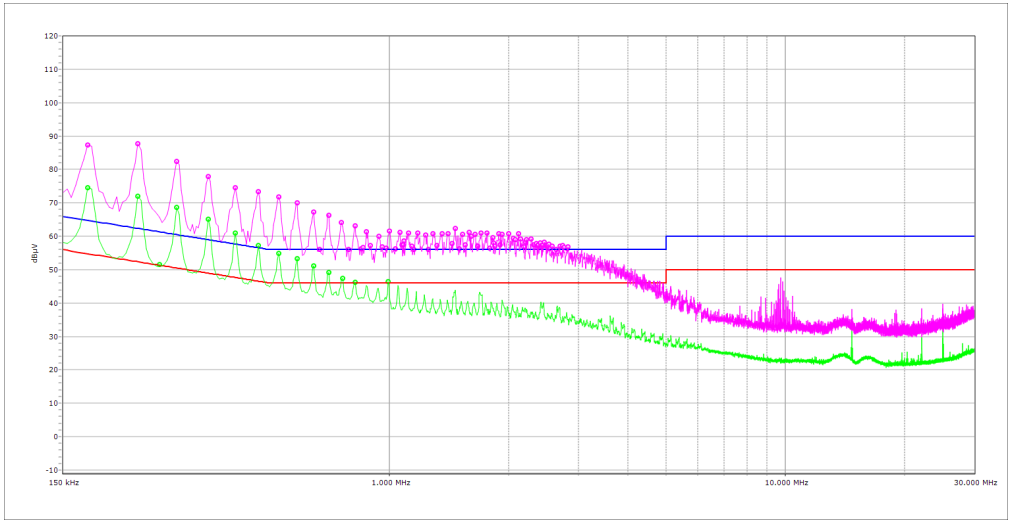
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative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

Informational. Not part of the ETA or LAMBDA rating.

Conducted Emissions EN 55032 & CISPR 32



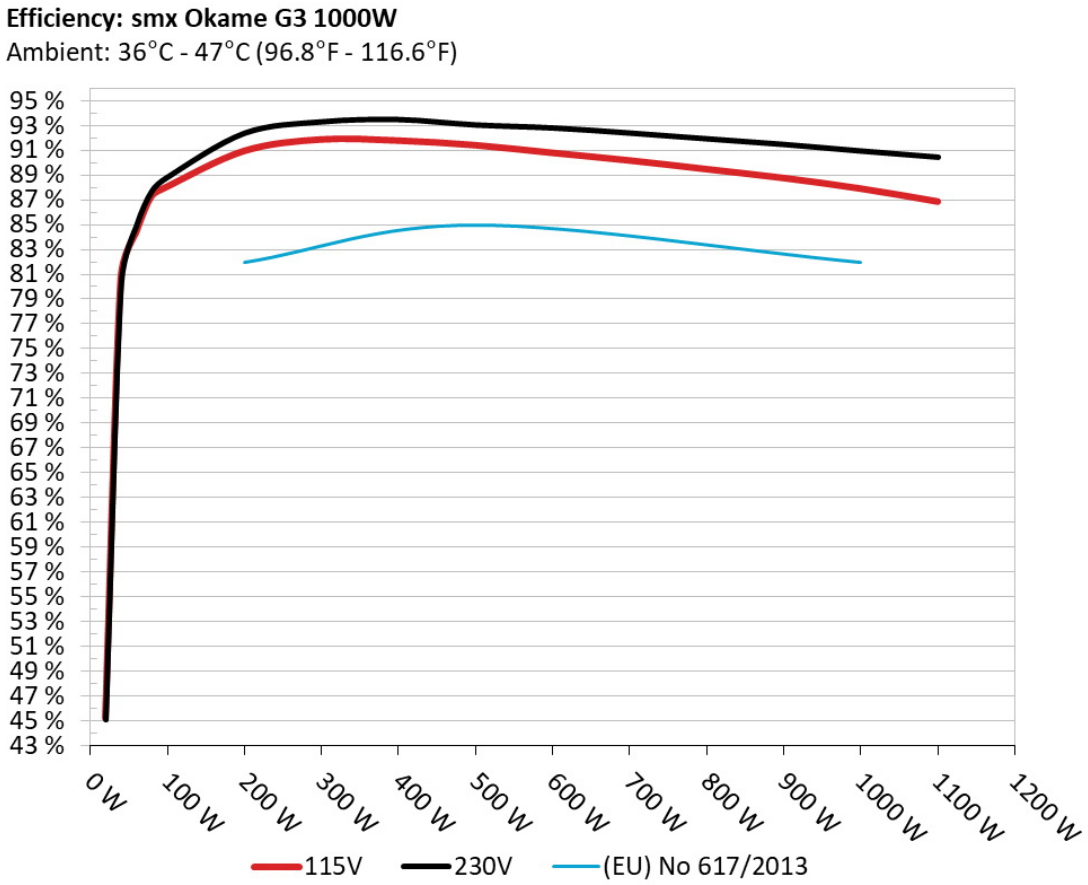
NEUTRAL



PHASE

Indicative Performance

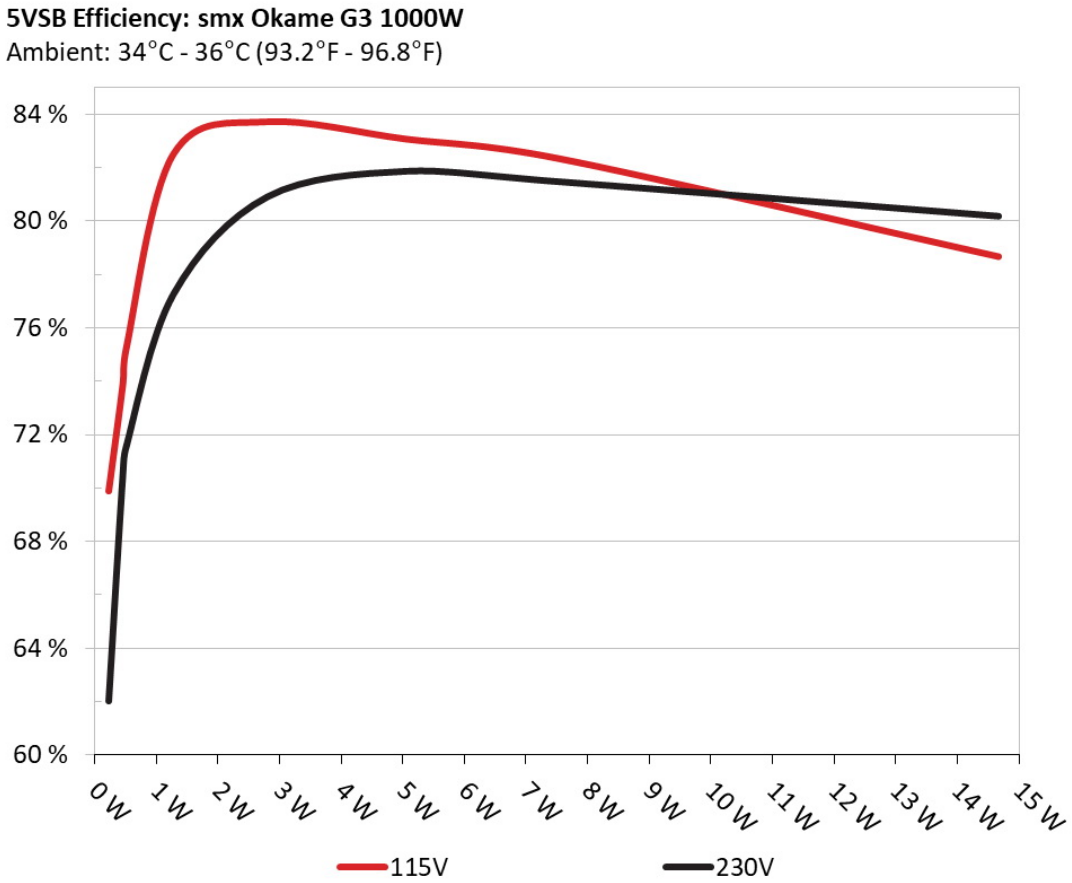
Efficiency under high ambient temperature



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**	0.231W	69.882%	0.083
	5.14V	0.33W		114.93V
2	**0.09A**	0.462W	73.92%	0.149
	5.135V	0.626W		114.94V
3	**0.55A**	2.805W	83.725%	0.411
	5.098V	3.35W		114.94V
4	**1A**	5.063W	83.074%	0.483
	5.061V	6.095W		114.94V
5	**1.5A**	7.532W	82.347%	0.518
	5.02V	9.147W		114.94V
6	**3.001A**	14.676W	78.671%	0.552
	4.891V	18.652W		114.92V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.232W	62.034%	0.027
	5.14V	0.374W		230V
2	**0.09A**	0.462W	70.581%	0.047
	5.137V	0.655W		230V
3	**0.55A**	2.806W	80.928%	0.212
	5.099V	3.467W		230V
4	**1A**	5.063W	81.887%	0.308
	5.062V	6.184W		230V
5	**1.501A**	7.532W	81.497%	0.371
	5.019V	9.242W		229.99V
6	**3.001A**	14.673W	80.203%	0.442
	4.89V	18.297W		230V

Protection Features

OCP (Normal @ 28.1°C)	12V: 112.6A (134.85%), 12.156V 5V: 25.8A (129%), 4.997V 3.3V: 26.8A (134%), 3.244V 5VSB: 4.4A (146.67%), 4.753V
OCP (Hot @ 44.4°C)	12V: 108.2A (129.58%), 12.188V 5V: 25.8A (129%), 4.989V 3.3V: 26.8A (134%), 3.262V 5VSB: 4.6A (153.33%), 4.753V
OPP (Normal @ 30.6°C)	1332.16W (133.22%)
OPP (Hot @ 43°C)	1287.7W (128.77%)
OTP	✓ (123°C @ Heat Sink)
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%	**6.402A**	**1.972A**	**1.981A**	**0.99A**	100.04	88.052%	869	21.6	40.38°C	0.893
	12.252V	5.072V	3.332V	5.05V	113.614				43.37°C	114.92V
20%	**13.814A**	**2.96A**	**2.975A**	**1.195A**	200.007	90.938%	873	21.4	40.54°C	0.935
	12.241V	5.069V	3.329V	5.023V	219.94				44.98°C	114.91V
30%	**21.581A**	**3.455A**	**3.474A**	**1.401A**	300.071	91.864%	874	21.3	41.19°C	0.96
	12.233V	5.067V	3.326V	4.997V	326.649				46.93°C	114.89V
40%	**29.339A**	**3.951A**	**3.974A**	**1.61A**	399.938	91.771%	877	21.2	41.65°C	0.97
	12.227V	5.064V	3.323V	4.969V	435.395				50.06°C	114.86V
50%	**36.751A**	**4.942A**	**4.974A**	**1.822A**	499.647	91.403%	881	21.3	42.08°C	0.978
	12.221V	5.061V	3.318V	4.941V	544.68				53.62°C	114.57V
60%	**44.243A**	**5.934A**	**5.976A**	**2.001A**	600.039	90.784%	1267	32.3	42.71°C	0.981
	12.214V	5.057V	3.314V	4.915V	659.154				54.72°C	114.81V
70%	**51.703A**	**6.922A**	**6.977A**	**2.257A**	699.968	90.171%	1600	39	43.11°C	0.987
	12.201V	5.058V	3.312V	4.875V	774.436				55.01°C	114.54V
80%	**59.241A**	**7.914A**	**7.981A**	**2.37A**	799.989	89.473%	1791	41.9	43.52°C	0.989
	12.189V	5.056V	3.308V	4.854V	891.574				55.45°C	114.56V
90%	**67.109A**	**8.414A**	**8.472A**	**2.484A**	899.791	88.757%	1855	43.1	44.15°C	0.988
	12.179V	5.053V	3.305V	4.832V	1009.187				58.48°C	114.57V
100%	**74.764A**	**8.915A**	**8.999A**	**3.144A**	999.807	87.908%	1856	43.1	45.54°C	0.99
	12.173V	5.049V	3.301V	4.773V	1135.221				63.04°C	114.69V
110%	**82.356A**	**9.915A**	**10.106A**	**3.155A**	1100.45	86.862%	1860	43.3	46.94°C	0.992
	12.168V	5.044V	3.295V	4.755V	1263.356				68.8°C	114.4V
CL1	**0.115A**	**12.279A**	**12.368A**	**0A**	104.33	81.423%	877	21.2	40.07°C	0.9
	12.250V	5.05V	3.307V	5.119V	128.142				57.26°C	114.91V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	**0.115A**	**19.878A**	**0A**	**0A**	101.411	79.731%	883	21.4	40.96°C	0.9
	12.253V	5.031V	3.324V	5.125V	127.194				53.54°C	114.91V
CL3	**0.114A**	**0A**	**20.067A**	**0A**	67.406	72.41%	865	21.4	40.05°C	0.877
	12.251V	5.06V	3.289V	5.124V	93.091				50.19°C	114.92V
CL4	**82.150A**	**0A**	**0A**	**0.003A**	1000.293	88.776%	1867	43.5	45.25°C	0.992
	12.176V	5.062V	3.311V	5.065V	1123.63				58.28°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%	**6.404A**	**1.972A**	**1.98A**	**0.992A**	100.026	88.849%	867	21.6	40.39°C	0.826
	12.247V	5.073V	3.333V	5.044V	112.587				41.21°C	230.03V
20%	**13.816A**	**2.959A**	**2.974A**	**1.197A**	199.988	92.393%	872	21.4	40.52°C	0.893
	12.238V	5.07V	3.329V	5.016V	216.456				42.7°C	230.02V
30%	**21.585A**	**3.454A**	**3.473A**	**1.404A**	300.047	93.312%	873	21.4	41.41°C	0.925
	12.230V	5.067V	3.326V	4.988V	321.557				43.85°C	230.01V
40%	**29.345A**	**3.95A**	**3.973A**	**1.614A**	399.874	93.494%	875	21.3	41.52°C	0.943
	12.222V	5.065V	3.323V	4.959V	427.701				45.75°C	229.99V
50%	**36.767A**	**4.944A**	**4.976A**	**1.828A**	499.875	93.059%	1345	33.8	42.43°C	0.955
	12.222V	5.059V	3.317V	4.925V	537.163				52.09°C	229.95V
60%	**44.270A**	**5.936A**	**5.977A**	**2.001A**	600.197	92.819%	1363	34.1	42.69°C	0.962
	12.211V	5.057V	3.314V	4.9V	646.643				51.74°C	229.93V
70%	**51.724A**	**6.929A**	**6.979A**	**2.261A**	700.111	92.408%	1534	37.8	43.43°C	0.968
	12.199V	5.054V	3.311V	4.867V	757.617				51.5°C	229.92V
80%	**59.259A**	**7.922A**	**7.983A**	**2.373A**	800.085	91.949%	1714	40.5	43.68°C	0.972
	12.187V	5.051V	3.308V	4.848V	870.142				51.22°C	229.91V
90%	**67.134A**	**8.42A**	**8.472A**	**2.485A**	899.831	91.491%	1852	43.1	44.45°C	0.975
	12.175V	5.049V	3.305V	4.831V	983.523				51.18°C	229.9V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**74.826A**	**8.918A**	**8.994A**	**3.156A**	999.8	90.96%	1859	43.2	41.39°C	0.978
	12.163V	5.047V	3.303V	4.754V	1099.126				51.33°C	229.88V
110%	**82.455A**	**9.908A**	**10.093A**	**3.162A**	1100.418	90.461%	1864	43.4	41.33°C	0.979
	12.153V	5.048V	3.3V	4.745V	1216.497				51.26°C	229.86V
CL1	**0.116A**	**12.274A**	**12.364A**	**0A**	104.332	82.251%	879	21.1	40.66°C	0.84
	12.251V	5.052V	3.308V	5.119V	126.845				49.24°C	229.98V
CL2	**0.115A**	**19.877A**	**0A**	**0A**	101.412	80.681%	884	21.5	40.63°C	0.84
	12.249V	5.031V	3.324V	5.125V	125.696				47.39°C	229.98V
CL3	**0.115A**	**0A**	**20.061A**	**0A**	67.408	72.214%	864	21.4	41.81°C	0.799
	12.244V	5.065V	3.29V	5.124V	93.347				45.91°C	229.98V
CL4	**82.192A**	**0A**	**0A**	**0.003A**	1000.342	91.79%	1873	43.3	45.55°C	0.977
	12.170V	5.063V	3.312V	5.065V	1089.822				51.25°C	229.88V

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	**1.214A**	**0.493A**	**0.494A**	**0.195A**	20.013	45.253%	861	20.9	36.54°C	0.834
	12.247V	5.077V	3.338V	5.123V	44.28				44.32°C	114.92V
40W	**2.668A**	**0.69A**	**0.692A**	**0.293A**	40.011	80.691%	865	21.4	37.42°C	0.832
	12.253V	5.076V	3.337V	5.115V	49.592				41.34°C	114.92V
60W	**4.124A**	**0.887A**	**0.891A**	**0.392A**	60.01	84.416%	865	21.4	38.59°C	0.862
	12.253V	5.075V	3.336V	5.105V	71.085				41.4°C	114.92V
80W	**5.578A**	**1.084A**	**1.089A**	**0.491A**	79.984	87.31%	866	21.5	39.83°C	0.875
	12.252V	5.074V	3.335V	5.095V	91.609				42.7°C	114.91V

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**	**0.492A**	**0.494A**	**0.195A**	20.01	45.125%	858	21.4	36.99°C	0.685
	12.241V	5.079V	3.34V	5.122V	44.718				39.54°C	230.05V
40W	**2.669A**	**0.689A**	**0.692A**	**0.293A**	40.008	80.264%	863	21.3	37.9°C	0.686
	12.250V	5.077V	3.338V	5.114V	49.848				38.32°C	230.05V
60W	**4.125A**	**0.887A**	**0.89A**	**0.392A**	60.007	84.97%	864	21.4	38.48°C	0.751
	12.250V	5.076V	3.337V	5.103V	70.623				39.13°C	230.04V
80W	**5.578A**	**1.084A**	**1.089A**	**0.491A**	79.971	87.745%	866	21.5	39.47°C	0.795
	12.250V	5.075V	3.335V	5.092V	91.142				40.04°C	230.03V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.18mV	8.77mV	6.66mV	8.81mV	Pass
20% Load	12.87mV	9.95mV	8.59mV	10.34mV	Pass
30% Load	12.77mV	10.56mV	7.83mV	11.77mV	Pass
40% Load	14.65mV	11.47mV	7.83mV	12.99mV	Pass
50% Load	14.96mV	11.89mV	9.00mV	14.32mV	Pass
60% Load	16.59mV	12.09mV	11.29mV	15.49mV	Pass
70% Load	16.69mV	15.10mV	10.83mV	17.01mV	Pass
80% Load	17.50mV	14.59mV	15.51mV	18.95mV	Pass
90% Load	20.76mV	14.38mV	16.02mV	23.49mV	Pass
100% Load	28.61mV	16.43mV	17.86mV	29.72mV	Pass
110% Load	30.62mV	17.09mV	20.15mV	32.47mV	Pass
Crossload1	19.66mV	16.10mV	20.70mV	9.23mV	Pass
Crossload2	13.33mV	11.37mV	20.29mV	8.87mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	14.55mV	24.59mV	16.63mV	8.30mV	Pass
Crossload4	27.33mV	9.79mV	6.51mV	21.80mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	12.67mV	9.03mV	7.53mV	8.66mV	Pass
20% Load	13.33mV	9.79mV	8.44mV	9.63mV	Pass
30% Load	13.58mV	9.95mV	8.65mV	11.46mV	Pass
40% Load	13.99mV	11.02mV	10.73mV	13.09mV	Pass
50% Load	13.94mV	11.07mV	8.85mV	13.35mV	Pass
60% Load	14.65mV	10.66mV	10.48mV	14.52mV	Pass
70% Load	16.43mV	12.91mV	12.21mV	16.46mV	Pass
80% Load	18.27mV	15.30mV	16.53mV	18.80mV	Pass
90% Load	20.51mV	15.25mV	17.04mV	20.73mV	Pass
100% Load	26.95mV	16.13mV	17.20mV	29.43mV	Pass
110% Load	29.43mV	16.67mV	19.12mV	33.63mV	Pass
Crossload1	19.43mV	16.60mV	20.35mV	9.68mV	Pass
Crossload2	12.06mV	11.12mV	20.55mV	8.81mV	Pass
Crossload3	12.52mV	26.22mV	16.79mV	8.05mV	Pass
Crossload4	26.26mV	10.41mV	6.30mV	21.66mV	Pass

The results above are not used in the certification process

SMX Okame G3 1000W



Top side



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