

Seasonic Vertex GX-1200

Lab ID#: SS12002149 Receipt Date: Mar 1, 2023 Test Date: Mar 9, 2023

Anex

Report: 23PS2149A

Report Date: Mar 9, 2023

DUT INFORMATION

Brand	Seasonic
Manufacturer (OEM)	Seasonic
Series	Vertex GX
Model Number	12122GXAFS
Serial Number	
DUT Notes	

DUT SPECIFICATIONS						
Rated Voltage (Vrms)	100-240					
Rated Current (Arms)	15-7.5					
Rated Frequency (Hz)	50-60					
Rated Power (W)	1200					
Туре	ATX12V					
Cooling	135mm Fluid Dynamic Bearing Fan (HA13525H12F-Z)					
Semi-Passive Operation	✓ (selectable)					
Cable Design	Fully Modular					

TEST EQUIPMENT

Electronic Loads	Chroma 63601-5 x2 Chroma 63600-2 63640-80-80 x10 63610-80-20
AC Sources	Chroma 6530, APM SP300VAC4000W-P
Power Analyzers	RS HMC8015, N4L PPA1530, N4L PPA5530
Oscilloscopes	Picoscope 4444, Rigol DS7014, 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, Keithley 2015 - THD
UPS	FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA
Isolation Transformer	4KVA

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



Anex

EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Seasonic Vertex GX-1200

RESULTS	
Temperature Range (°C /°F)	30-32 / 86-89.6
ErP Lot 3/6 Ready	1
(EU) No 617/2013 Compliance	1
ALPM (Alternative Low Power Mode) compatible	1
ATX v3.0 PSU Power Excursion	1

115V		230V	
Average Efficiency	88.971%	Average Efficiency	91.077%
Efficiency With 10W (≤500W) or 2% (>500W)	76.635	Average Efficiency 5VSB	79.140%
Average Efficiency 5VSB	80.219%	Standby Power Consumption (W)	0.1465000
Standby Power Consumption (W)	0.0556000	Average PF	0.955
Average PF	0.983	Avg Noise Output	25.48 dB(A)
Avg Noise Output	25.41 dB(A)	Efficiency Rating (ETA)	PLATINUM
Efficiency Rating (ETA)	GOLD	Noise Rating (LAMBDA)	A-
Noise Rating (LAMBDA)	A-		

POWER SPECIFICATIONS

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	25	25	100	3	0.3
	Watts	125		1200	15	3.6
Total Max. Power (W)		1200				

HOLD-UP TIME & POWER OK SIGNAL (230V)

Hold-Up Time (ms)	25.3
AC Loss to PWR_OK Hold Up Time (ms)	20.8
PWR_OK Inactive to DC Loss Delay (ms)	4.5

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

PAGE 2/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

CABLES AND CONNECTORS

Modular Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (620mm)	1	1	16-18AWG	No
4+4 pin EPS12V (710mm)	2	2	16AWG	No
6+2 pin PCle (780mm)	3	3	16AWG	No
12+4 pin PCle (750mm) (600W)	1	1	16-28AWG	No
SATA (510mm+150mm+150mm+150mm)	4	16	18AWG	No
SATA 3.3 (430mm+160mm)	1	2	18AWG	No
4-pin Molex (460mm+125mm+125mm)	1	3	18AWG	No
AC Power Cord (1400mm) - C13 coupler	1	1	18AWG	-

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

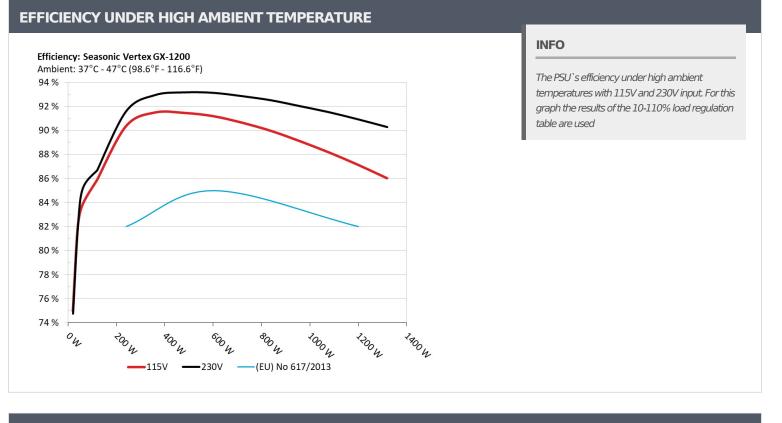
PAGE 3/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted

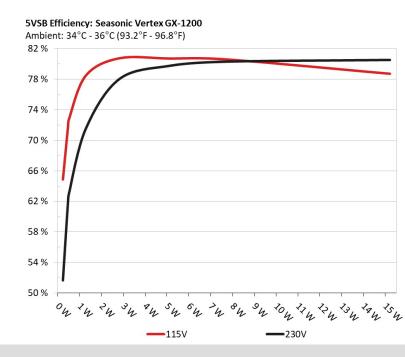


Anex

Seasonic Vertex GX-1200



5VSB EFFICIENCY



INFO

This graph depicts the efficiency levels of the 5VSB rail with 115V and 230V input

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

 $\ensuremath{\mathsf{>}}$ The link to the original test results document should be provided in any case

PAGE 4/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC)						
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts		
1	0.045A	0.231W	- CE 2400/	0.032		
I	5.137V	0.353W	65.349%	114.88V		
2	0.09A	0.462W		0.057		
2	5.136V	0.64W	72.178%	114.87V		
2	0.55A	2.82W	01 01 01/	0.25		
3	5.127V	3.473W	81.212%	114.86V		
4	1A	5.117W	01 1700/	0.355		
4	5.116V	6.303W	81.176%	114.87V		
F	1.5A	7.658W	01.070/	0.413		
5	5.105V	9.447W	81.07%	114.86V		
C	ЗА	15.214W	70,1000/	0.495		
6	5.071V	19.213W	79.182%	114.87V		

5VSB EFFICIENCY -230V (ERP LOT 3/6 & CEC)

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231W	F0 170/	0.012
T	5.137V	0.444W	52.17%	229.88V
2	0.09A	0.462W	60 2 4 70/	0.02
2	5.136V	0.742W	62.347%	229.88V
3	0.55A	2.819W	70 5040/	0.093
5	5.126V	3.591W	78.504%	229.87V
4	1A	5.117W	00 2200/	0.155
4	5.117V	6.378W	80.229%	229.88V
-	1.5A	7.659W	00.700/	0.214
5	5.106V	9.481W	80.768%	229.88V
G	3A	15.218W	00 0070/	0.324
6	5.073V	18.783W	80.997%	229.89V

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

PAGE 5/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Seasonic Vertex GX-1200

115V

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

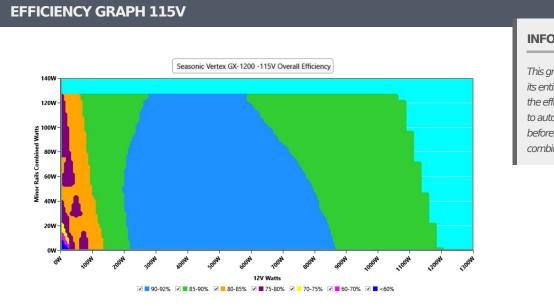
PAGE 6/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

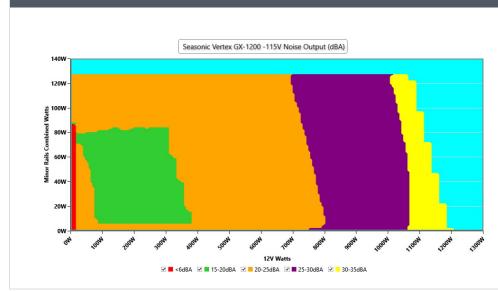
Seasonic Vertex GX-1200



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

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

PAGE 7/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

VAMPIRE POWER -115V

Detailed Results										
Average Min Limit Min Max Limit Max Result										
Mains Voltage RMS:	114.87 V	114.81 V	113.85 V	114.92 V	116.15 V	PASS				
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.02 Hz	60.60 Hz	PASS				
Mains Voltage CF:	1.419	1.417	1.340	1.421	1.490	PASS				
Mains Voltage THD:	0.15 %	0.09 %	N/A	0.27 %	2.00 %	PASS				
Real Power:	0.056 W	0.018 W	N/A	0.080 W	N/A	N/A				
Apparent Power:	11.135 W	11.113 W	N/A	11.162 W	N/A	N/A				
Power Factor:	0.006	N/A	N/A	N/A	N/A	N/A				

INFO

This graph is generated by the PPA Standby Power Analysis software which takes full control of the power analyzer during the whole procedure. This application features all of the EN50564 & IEC62301 test limits for standby power software testing

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



Anex

Seasonic Vertex GX-1200

10-1	10% LOAI	D TESTS 1	L15V							
Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100/	8.062A	1.99A	1.984A	0.979A	119.969	02 6469/	0		44.48°C	0.98
10%	12.201V	5.025V	3.327V	5.108V	143.422	83.646%	0	<6.0	40.11°C	114.82V
20%	17.131A	2.986A	2.979A	1.177A	239.914	- 00 2200/	0	<6.0	45.65°C	0.975
20%	12.202V	5.022V	3.323V	5.097V	265.569	90.339%	0	<0.0	40.85°C	114.78V
200/	26.517A	3.485A	3.479A	1.377A	359.066	01 /710/	0	6.0	46.39°C	0.981
30%	12.181V	5.021V	3.32V	5.085V	392.546	91.471%	0	<6.0	41.24°C	114.74V
400/	35.982A	3.985A	3.979A	1.576A	479.442	01 4410/	820	22.4	41.79°C	0.985
40%	12.179V	5.019V	3.317V	5.075V	524.321	91.441%	829	23.4	47.31°C	114.71V
E00/	45.065A	4.984A	4.98A	1.777A	599.208	01 1760/	024	22.1	42.01°C	0.987
50%	12.176V	5.015V	3.313V	5.064V	657.2	91.176%	824	23.1	48.13°C	114.66V
600/	54.192A	5.984A	5.983A	1.979A	719.736	00 620/	90.63% 822	22.0	42.64°C	0.989
60%	12.177V	5.013V	3.31V	5.052V	794.145	90.03%		23.0	49.27°C	114.63V
700/	63.242A	6.986A	6.988A	2.182A	839.491	- 00.0470/	001	25.5	43.22°C	0.991
70%	12.182V	5.011V	3.306V	5.041V	933.321	89.947%	881		50.23°C	114.58V
000/	72.346A	7.988A	7.995A	2.286A	959.505	00.000/	046	27.8	43.75°C	0.992
80%	12.186V	5.008V	3.302V	5.031V	1077.014	89.09%	946		51.76°C	114.54V
000/	81.754A	8.49A	8.488A	2.389A	1079.322	00 1500/	1104 22.2	22.2	44.13°C	0.993
90%	12.192V	5.006V	3.298V	5.022V	1224.308	88.158%	1104	32.2	53.15°C	114.5V
100%	90.963A	8.993A	9.014A	2.999A	1199.38	- 07 1220/	1204	24.6	45.75°C	0.994
100%	12.199V	5.004V	3.295V	5.001V	1376.504	87.132%	1204	34.6	55.84°C	114.44V
110%	100.122A	9.999A	10.119A	3.004A	1320.034	96.0120/	1850	176	46.55°C	0.994
110%	12.202V	5.001V	3.291V	4.994V	1534.712	86.012%	0081	47.6	57.48°C	114.39V
01	0.113A	15.031A	14.963A	0.001A	126.302	70.0670/	770	21.2	41.36°C	0.982
CL1	12.220V	5.01V	3.315V	5.119V	159.743	79.067%	779	21.2	46.85°C	114.82V
CL 2	0.113A	24.954A	0A	0.001A	126.259	79 07 /0/	074	20.4	40.78°C	0.981
CL2	12.221V	5.004V	3.327V	5.125V	161.716	78.074%	974	28.4	47.83°C	114.81V
CL 2	0.113A	0A	24.924A	0.001A	83.892	70 70 20/	072	20 /	41.97°C	0.969
CL3	12.212V	5.027V	3.31V	5.119V	118.502	70.793%	973	28.4	50.99°C	114.83V
CI /	98.446A	0A	0A	0A	1199.926	07 05 20/	1150	22.1	45.88°C	0.993
CL4	12.189V	5.016V	3.305V	5.074V	1365.84	87.853%	1150	33.1	56.86°C	114.44V

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

PAGE 9/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

20-80W 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
2014	1.228A	0.497A	0.495A	0.195A	19.988	74.000/			39.62°C	0.81
20W	12.078V	5.029V	3.332V	5.131V	26.655	74.98%	0	<6.0	36.55°C	114.85V
40144	2.704A	0.696A	0.693A	0.292A	39.99	81.899%	0	-6.0	40.59°C	0.916
40W	12.084V	5.028V	3.331V	5.128V	48.828	81.899%	0	<6.0	37.29°C	114.84V
C0144	4.180A	0.895A	0.892A	0.39A	59.99	02.01.20/	0	-6.0	42.17°C	0.95
60W	12.087V	5.027V	3.33V	5.124V	71.574	83.813%	0	<6.0	38.43°C	114.84V
00144	5.650A	1.094A	1.09A	0.488A	79.922	05.0620/	0	-6.0	43.25°C	0.966
80W	12.086V	5.027V	3.329V	5.121V	93.084	85.862%	0	<6.0	39.29°C	114.83V

RIPPLE MEASUREMENTS 115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	16.16mV	11.65mV	12.47mV	24.63mV	Pass
20% Load	22.82mV	10.57mV	10.82mV	19.03mV	Pass
30% Load	18.57mV	10.21mV	10.52mV	19.14mV	Pass
40% Load	17.80mV	11.65mV	10.77mV	32.68mV	Pass
50% Load	17.64mV	12.68mV	11.80mV	34.17mV	Pass
60% Load	18.21mV	12.83mV	12.78mV	35.51mV	Pass
70% Load	17.95mV	13.24mV	13.39mV	35.66mV	Pass
80% Load	18.36mV	13.39mV	16.21mV	36.58mV	Pass
90% Load	18.05mV	13.86mV	14.98mV	37.81mV	Pass
100% Load	25.51mV	15.55mV	16.92mV	38.10mV	Pass
110% Load	27.33mV	16.72mV	17.44mV	37.87mV	Pass
Crossload1	16.58mV	15.37mV	19.39mV	34.03mV	Pass
Crossload2	18.67mV	25.61mV	16.78mV	34.07mV	Pass
Crossload3	15.14mV	14.52mV	18.16mV	34.07mV	Pass
Crossload4	25.52mV	15.40mV	13.62mV	37.96mV	Pass

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

PAGE 10/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Seasonic Vertex GX-1200

230V

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

PAGE 11/16

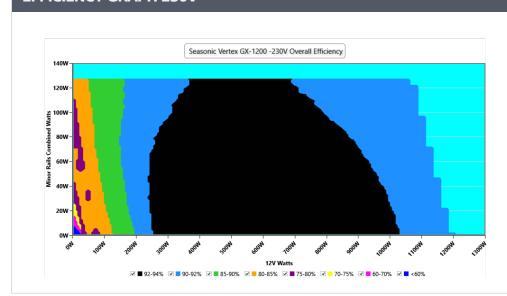
Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Seasonic Vertex GX-1200

Anex

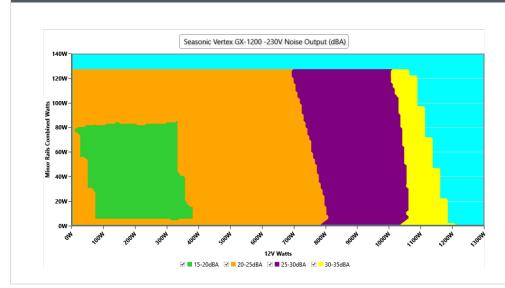
EFFICIENCY GRAPH 230V



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 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

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

PAGE 12/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

VAMPIRE POWER -230V

Detailed Results										
	Average	Min	Limit Min	Max	Limit Max	Result				
Mains Voltage RMS:	229.88 V	229.82 V	227.70 V	229.94 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:	1.416	1.415	1.340	1.417	1.490	PASS				
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.19%	2.00 %	PASS				
Real Power:	0.146 W	0.120 W	N/A	0.180 W	N/A	N/A				
Apparent Power:	37.398 W	37.371 W	N/A	37.424 W	N/A	N/A				
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A				

INFO

This graph is generated by the PPA Standby Power Analysis software which takes full control of the power analyzer during the whole procedure. This application features all of the EN50564 & IEC62301 test limits for standby power software testing

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 offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
10%	8.062A	1.99A	1.983A	0.979A	119.963	04.05.00/	0	<6.0	44.64°C	0.874
	12.200V	5.025V	3.327V	5.109V	141.199	84.958%			40.32°C	229.87V
200/	17.135A	2.986A	2.978A	1.177A	239.907	01 6020/	0		45.69°C	0.939
20%	12.199V	5.023V	3.324V	5.098V	261.894	91.602%		<6.0	40.83°C	229.85V
200/	26.522A	3.485A	3.478A	1.376A	359.033	- 02 0420/	0	-6.0	46.49°C	0.957
30%	12.178V	5.021V	3.32V	5.087V	386.291	92.942%	0	<6.0	41.33°C	229.82V
400/	35.996A	3.985A	3.979A	1.576A	479.425	021640/	020	23.3	41.82°C	0.967
40%	12.174V	5.018V	3.317V	5.076V	514.591	93.164%	828		47.34°C	229.8V
E00/	45.072A	4.984A	4.98A	1.777A	599.182	02 1 20/	022	22.1	42.09°C	0.971
50%	12.173V	5.016V	3.313V	5.065V	643.383	93.13%	823	23.1	48.23°C	229.79V
600/	54.200A	5.984A	5.983A	1.979A	719.713		022	22.0	42.79°C	0.976
60%	12.175V	5.013V	3.31V	5.053V	775.11	92.853%	822	23.0	49.34°C	229.77V
700/	63.250A	6.985A	6.988A	2.182A	839.469	92.508%	882	25.5	43.35°C	0.979
70%	12.180V	5.011V	3.306V	5.042V	907.45			25.5	50.38°C	229.75V
000/	72.344A	7.987A	7.994A	2.285A	959.487	00.01.00/	045	777	43.79°C	0.981
80%	12.186V	5.008V	3.302V	5.032V	1042.718	92.018%	945	27.7	51.88°C	229.73V
000/	81.761A	8.489A	8.487A	2.389A	1079.295	01 51 60/	01 5160/ 1070	21.0	44.4°C	0.982
90%	12.191V	5.006V	3.299V	5.023V	1179.354	91.516%	1079	31.6	53.49°C	229.71V
1000/	90.969A	8.993A	9.013A	2.999A	1199.351	00.0250/	1100	24.2	45.46°C	0.984
100%	12.198V	5.004V	3.295V	5.002V	1319.051	90.925%	1192	34.3	55.5°C	229.69V
1100/	100.118A	9.998A	10.118A	3.003A	1319.995	00 20 40/	1707	44.1	46.58°C	0.985
110%	12.202V	5.001V	3.291V	4.995V	1462.052	90.284%	1737	44.1	57.48°C	229.67V
	0.113A	15.03A	14.963A	0.001A	126.308	00.049/	770	21.0	41.18°C	0.89
CL1	12.230V	5.011V	3.315V	5.119V	157.81	80.04%	773	21.0	46.63°C	229.87V
~ ~	0.113A	24.953A	0A	0.001A	126.26	70 1 2 10/	074	20.4	40.71°C	0.892
CL2	12.225V	5.004V	3.327V	5.125V	159.557	79.131%	974	28.4	47.87°C	229.86V
	0.113A	0A	24.925A	0.001A	83.892	71 710/	074	20.4	42.83°C	0.84
CL3	12.214V	5.027V	3.31V	5.119V	116.992	71.71%	974	28.4	52.01°C	229.87V
	98.445A	0A	0A	0A	1199.917	01 4000/	1140	22.1	45.92°C	0.983
CL4	12.189V	5.016V	3.305V	5.074V	1311.548	91.489%	1149	33.1	56.85°C	229.69V

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

PAGE 14/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200

20-80W LOAD TESTS 230V										
Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
2014/	1.228A	0.497A		C 0	39.68°C	0.425				
20W	12.074V	5.028V	3.332V	5.132V	26.728	74.767%	0	<6.0	36.62°C	229.88V
40144	2.705A	0.696A	0.693A	0.292A	39.987	01.0400/	0	-6.0	41.15°C	0.61
40W	12.081V	5.028V	3.331V	5.129V	48.798	81.948%	0	<6.0	37.86°C	229.88V
C014/	4.182A	0.895A	0.892A	0.39A	59.988	05 1 000/	0	-6.0	41.91°C	0.719
60W	12.083V	5.027V	3.33V	5.125V	70.432	85.169%	0	<6.0	38.39°C	229.87V
00144	5.652A	1.094A	1.09A	0.488A	79.918	06 6020/	0	<6.0	43.54°C	0.786
80W	12.082V	5.027V	3.33V	5.122V	92.184	86.693%	0		39.68°C	229.87V

RIPPLE MEASUREMENTS 230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	15.70mV	11.86mV	11.85mV	23.50mV	Pass
20% Load	23.02mV	10.93mV	10.57mV	19.03mV	Pass
30% Load	16.47mV	9.96mV	10.11mV	18.83mV	Pass
40% Load	16.72mV	11.65mV	10.88mV	32.89mV	Pass
50% Load	16.73mV	12.73mV	11.90mV	34.94mV	Pass
60% Load	17.34mV	12.88mV	12.83mV	35.87mV	Pass
70% Load	16.88mV	13.24mV	13.19mV	36.28mV	Pass
80% Load	17.85mV	13.34mV	15.19mV	37.61mV	Pass
90% Load	18.21mV	13.81mV	16.47mV	38.43mV	Pass
100% Load	27.13mV	15.92mV	17.63mV	38.93mV	Pass
110% Load	28.00mV	15.11mV	17.54mV	39.26mV	Pass
Crossload1	17.11mV	14.16mV	18.02mV	35.35mV	Pass
Crossload2	19.95mV	26.58mV	16.52mV	35.25mV	Pass
Crossload3	16.27mV	13.80mV	18.78mV	34.22mV	Pass
Crossload4	27.17mV	14.88mV	13.65mV	38.42mV	Pass

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

PAGE 15/16

Cybenetics offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted



Anex

Seasonic Vertex GX-1200



> 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 offers the ETA and Lambda voluntary certification programs, through which the efficient and silent power supplies are promoted

PAGE 16/16