Seasonic Focus GX-750 (ATX v3.1)

Serial Number

Lab ID SS75002579

Certification ID 252579

Test Result Report ID: 24PS2579A

Certificate Issue Date: Sep 24, 2024

Scheme: ETA-EMI PSU

115V



230V



115V



230V



Scheme: LAMBDA PSU



Aristeidis Bitziopoulos, Certification Body General Manager

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	Seasonic
Model	Focus GX-750 (ATX v3.1)
OEM/ODM	Seasonic
Serial Number	
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	10-5
Rated Frequency (Hz)	50-60

Rated Power (W)	750
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 (HA13525H12F-Z)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	SS75002579
Date of receipt	Sep 4, 2024
Testing Date	Sep 24, 2024
Report Issued Date	Sep 24, 2024
DUT Notes	The DUT didn't have properly set OCP at 5VSB. The second sample, broke during +12V OCP at 137% load.
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 (610mm)	1	1	16-18AWG	No
4+4 pin EPS12V (750mm)	2	2	16AWG	No
6+2 pin PCIe (750mm)	2	2	16-18AWG	No
12+4 pin PCIe (700mm) (600W)	1	1	16-24AWG	No
SATA (500mm+150mm+150mm+150mm)	2	8	18AWG	No
4-pin Molex (450mm+120mm+120mm)	1	3	18AWG	No

Protection Features(Manufacturer)

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	62	3	0.3
	Watts	100		744	15	3.6
Total Max. Power (W)		750				

Parts Description

General Data	
Manufacturer (OEM)	Seasonic
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF72 5D-20L (5 ohm) & Relay
Bridge Rectifier(s)	2x GBU1508 (800V, 15A @ 40°C)
APFC MOSFETs	2x Alpha & Omega AOB190A60CL (600V, 12A @ 100°C, Rds(on): 0.19Ohm)
APFC Boost Diode	1x Infineon IDK08G65C5 (650V, 8A @ 145°C)
Bulk Cap(s)	1x Nichicon (400V, 560uF, 2,000h @ 105°C, GG(M))

Main Switchers	4x Great Power GPT130N50X (500V, 4.5A @ 25°C, Rds(on): 1.55Ohm)
Resonant Controller	Champion CU6901VPA
APFC Controller	Champion CM6500UNX
Topology	Primary side: APFC, Full-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	4x Nexperia PSMN1R4-40YLD (40V, 214A @ 100°C, Rds(on): 1.4mOhm)
5V & 3.3V	DC-DC Converters: 6x Nexperia PSMN4R0_30YLD (30V, 95A @ 100°C, Rds(on): 4mOhm) PWM Controller(s): Anpec APW7159C
Filtering Capacitors	Electrolytic: 3x Nichicon (2-5,000h @ 105°C, HD), 1x Nippon Chemi-Con (1-5,000h @ 105°C, KZE), 5x Rubycon (3-6,000h @ 105°C, YXG) 2x Rubycon (6-10,000h @ 105°C, ZLH) Polymer: 7x Nippon Chemi-Con, 16x FPCAP
Supervisor IC	Weltrend WT7527RA (OVP, UVP, OCP, SCP, PG)
Fan Controller	Nuvoton M031FB0AE
Fan Model	Hong Hua HA13525H12F-Z (135mm, 12V, 0.50A, Fluid Dynamic Bearing Fan)
5VSB	
Rectifier	DK DK5V45R10S (45v, 10mOhm)
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	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	88.732%
Average Noise Output (>1450 Load Combinations)	27.81dBA
Average PF (>1450 Load Combinations)	0.971
Efficiency With 10W (≤500W) or 2% (>500W) Load	71.463%
Standby Power Consumption	0.0639W
Non-Accredited	
12V Ripple (Full Load)	28.22mV
5V Ripple (Full Load)	18.76mV
3.3V Ripple (Full Load)	18.00mV
5VSB Ripple (Full Load)	16.17mV
12V Load Regulation	0.87%
5V Load Regulation	0.44%
3.3V Load Regulation	0.88%
5VSB Load Regulation	4.07%
Inrush Current	34.240A

230V

Accredited	
Average Efficiency (>1450 load combinations)	90.991%
Average Noise Output (>1450 Load Combinations)	28.81dBA
Average PF (>1450 Load Combinations)	0.934
Efficiency With 10W (≤500W) or 2% (>500W) Load	-
Standby Power Consumption	0.1620W
Non-Accredited	
12V Ripple (Full Load)	29.95mV
5V Ripple (Full Load)	19.00mV
3.3V Ripple (Full Load)	18.42mV

5VSB Ripple (Full Load)		16.01mV
12V Load Regulation		0.87%
5V Load Regulation		0.44%
3.3V Load Regulation		0.88%
5VSB Load Regulation		4.07%
Inrush Current		63.840A
12V Transient Response (200%)		11.42V
5V Transient Response (200%)		4.924V
3.3V Transient Response (200%)		3.220V
5VSB Transient Response (200%)		4.886V
Hold-Up Time & PWR_OK Signal		20.10ms
AC Loss to PWR_OK Hold Up Time		15.60ms
PWR_OK Inactive to DC Loss Delay		4.50ms
PSU Timings: T1 (20% / 100%)	74.0ms	74.0ms
PSU Timings: T3 (20% / 100%)	125.0ms	127.0ms
12V OCP (26.1°C / °C)	6.6A (220.00%), 4.774V	
5V OCP (26.1°C / °C)		
3.3V OCP (26.1°C / °C)		
5VSB OCP (26.1°C / °C)		
OPP (28.55°C / 0.00°C)	137.28%	-

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	20.1
AC Loss to PWR_OK Hold Up Time (ms)	15.6
PWR_OK Inactive to DC Loss Delay (ms)	4.5

Vampire Power

Tables

115V

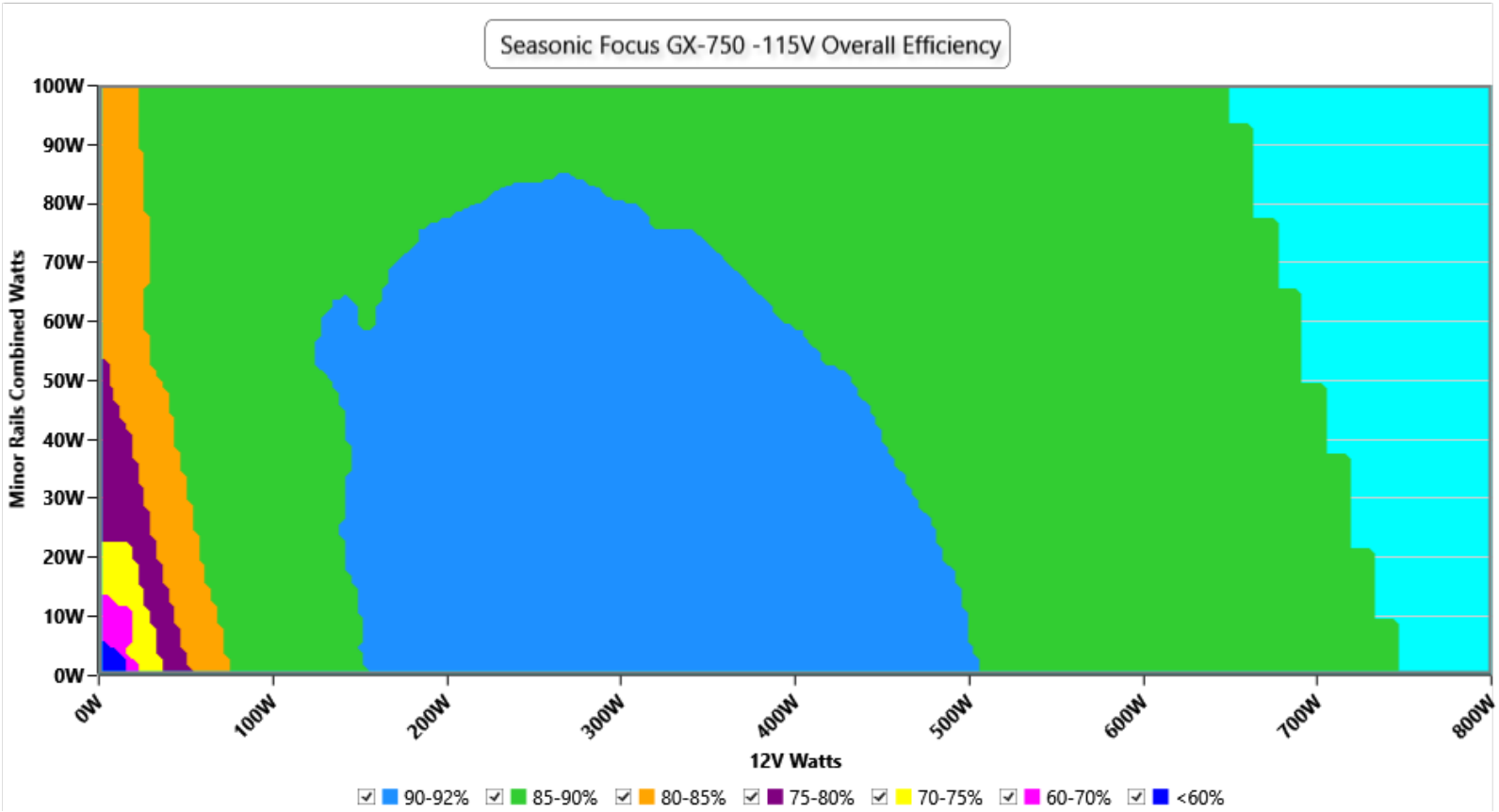
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.09 V	115.05 V	113.85 V	115.13 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.13 %	0.08 %	N/A	0.19 %	2.00 %	PASS
Real Power:	0.064 W	0.007 W	N/A	0.098 W	N/A	N/A
Apparent Power:	11.754 W	11.012 W	N/A	12.483 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:	231.03 V	230.93 V	227.70 V	231.10 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	0.26 %	2.00 %	PASS
Real Power:	0.162 W	0.117 W	N/A	0.217 W	N/A	N/A
Apparent Power:	36.375 W	35.479 W	N/A	37.278 W	N/A	N/A
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

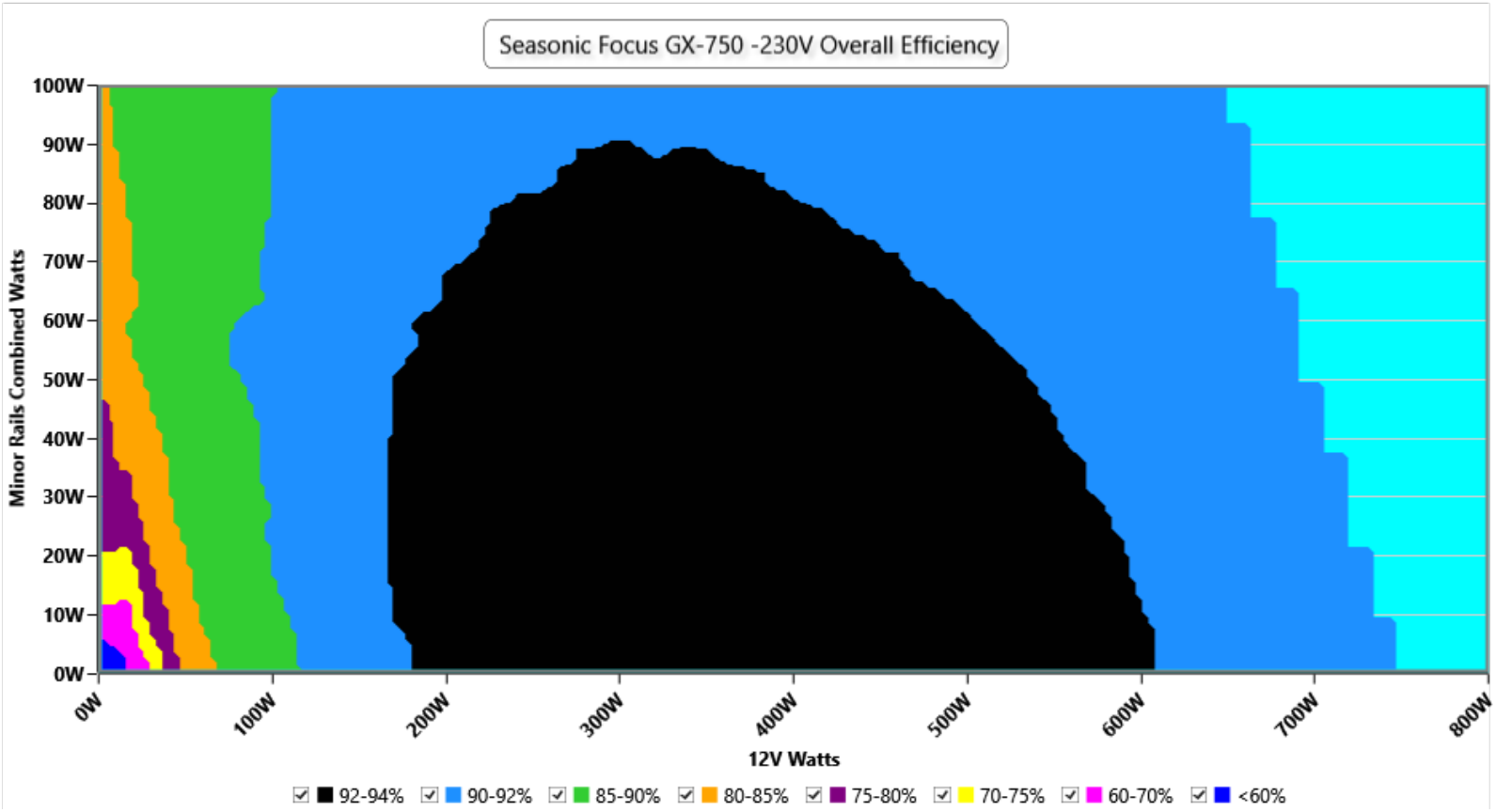
115V



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

230V

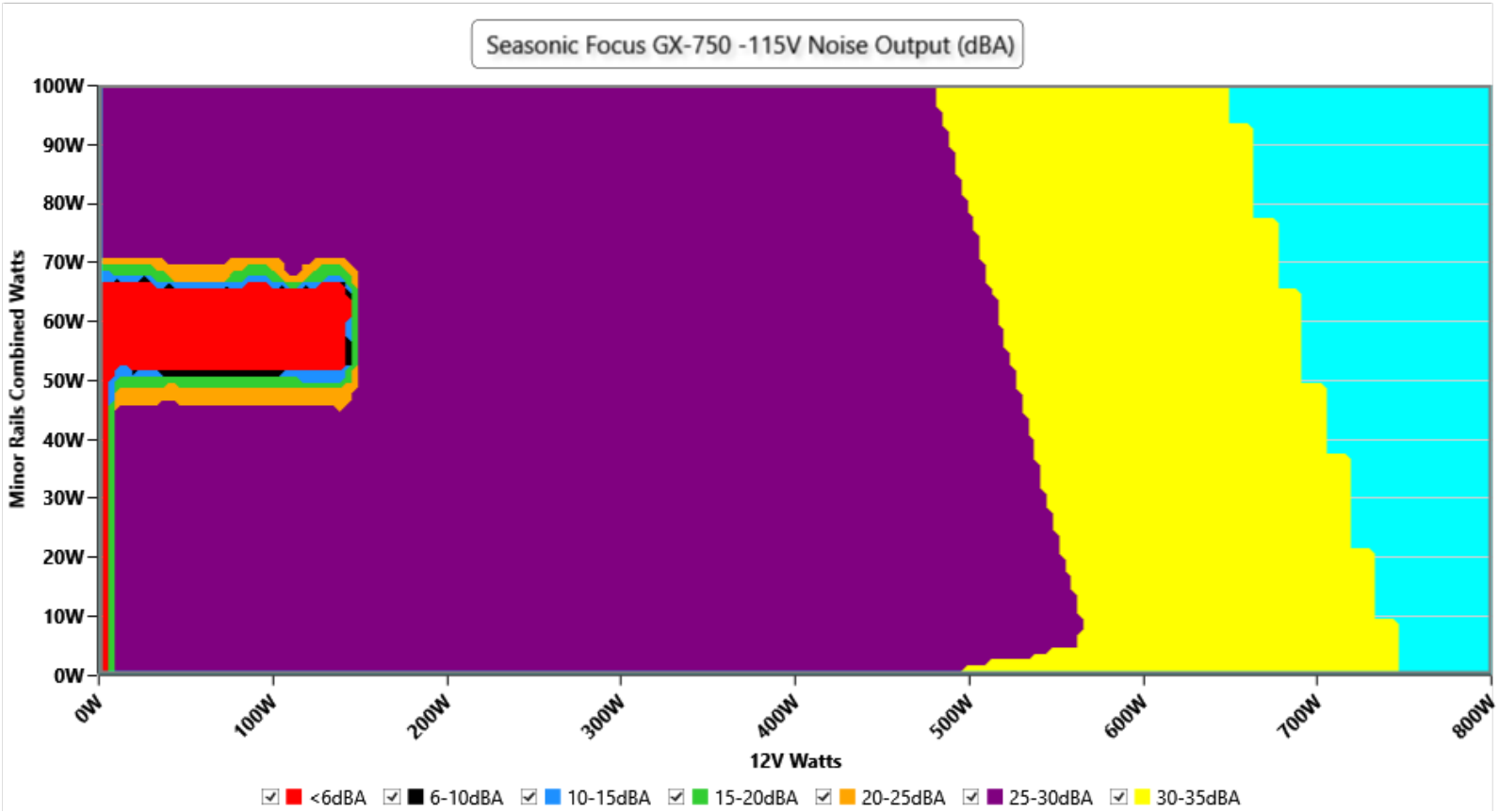


INFO

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

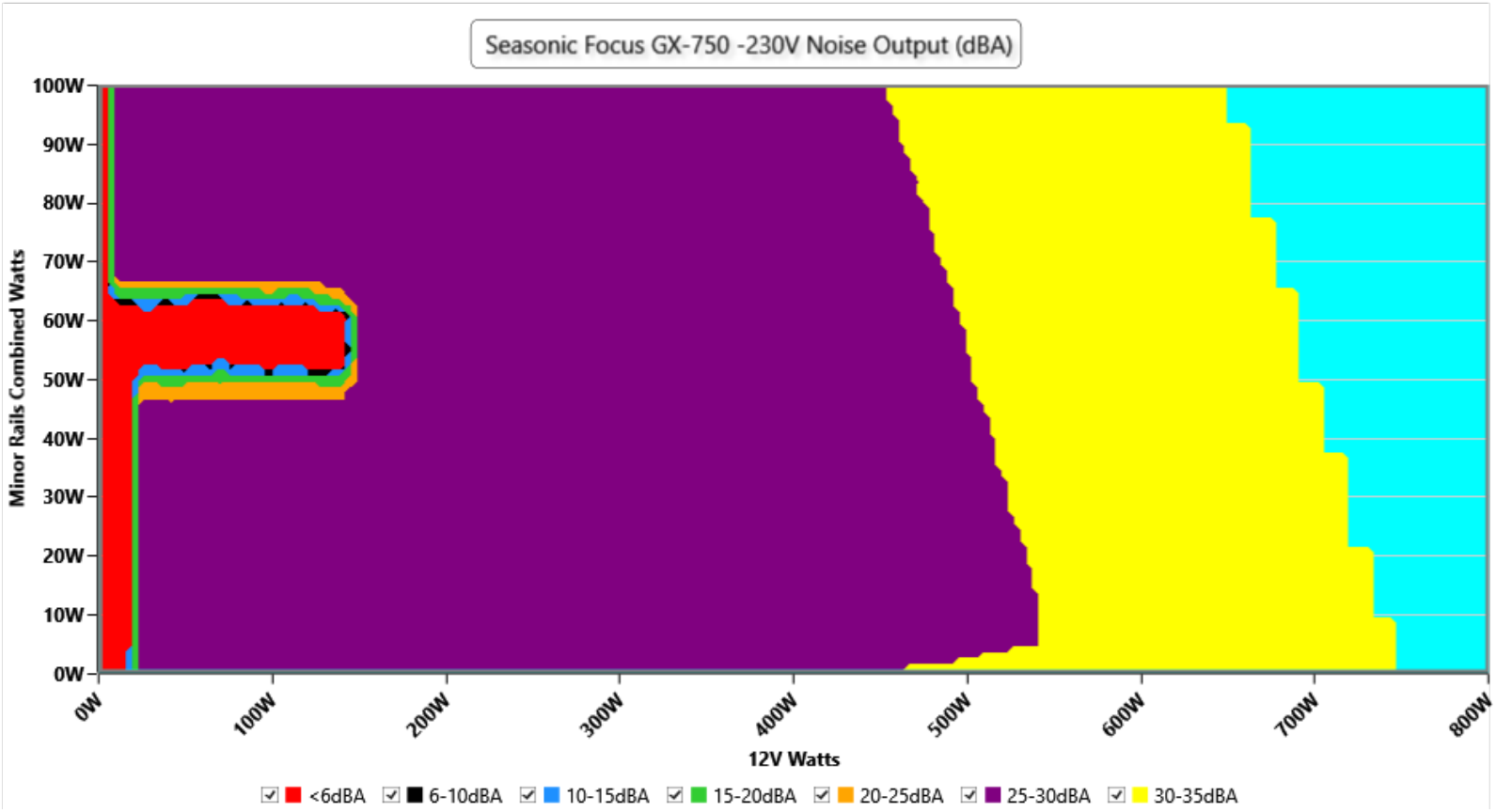
115V



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

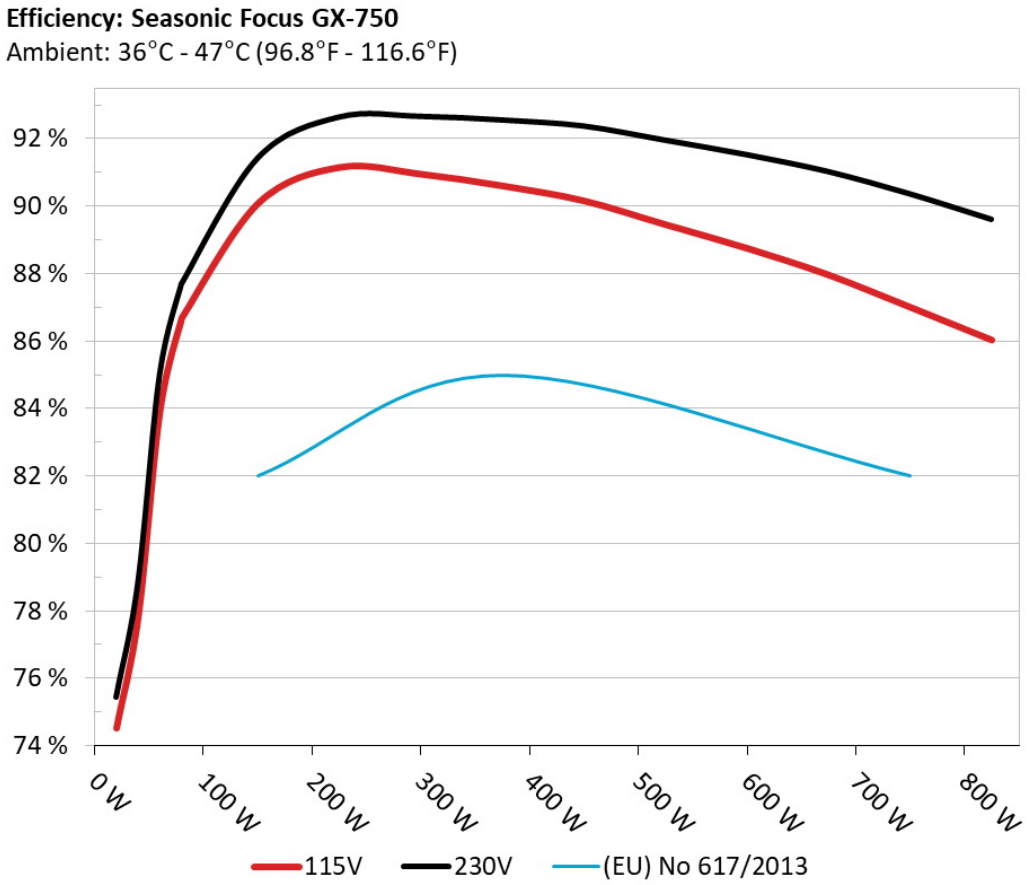


INFO

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

Indicative Performance

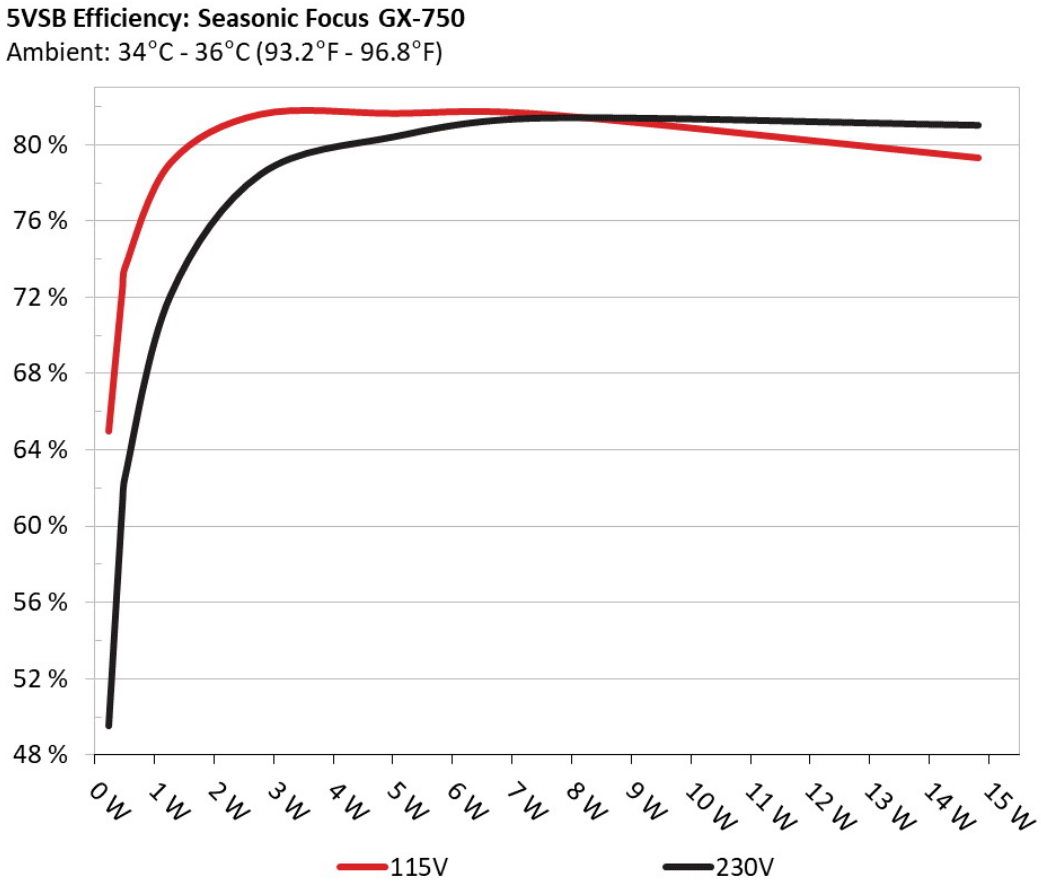
Efficiency under high ambient temperature



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**	0.228W	64.995%	0.034
	5.071V	0.351W		114.86V
2	**0.09A**	0.456W	72.4%	0.06
	5.069V	0.63W		114.88V
3	**0.55A**	2.777W	81.61%	0.257
	5.049V	3.403W		114.87V
4	**1A**	5.029W	81.656%	0.359
	5.029V	6.159W		114.86V
5	**1.5A**	7.511W	81.614%	0.411
	5.007V	9.203W		114.86V
6	**3A**	14.822W	79.33%	0.488
	4.941V	18.684W		114.86V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.228W	49.553%	0.013
	5.071V	0.461W		229.94V
2	**0.09A**	0.456W	61.112%	0.021
	5.069V	0.747W		229.94V
3	**0.55A**	2.777W	78.441%	0.097
	5.047V	3.54W		229.94V
4	**1A**	5.029W	80.409%	0.161
	5.028V	6.254W		229.93V
5	**1.5A**	7.511W	81.381%	0.214
	5.007V	9.23W		229.94V
6	**3A**	14.822W	81.004%	0.323
	4.94V	18.297W		229.94V

Protection Features

OCP (Cold @ 26.1°C)	5VSB: 6.6A (220.00%), 4.774V
OCP (Hot @ -°C)	-
OPP (Normal @ 28.6°C)	1029.62W (137.28%)
OPP (Hot @ -°C)	-
OTP	-
SCP	-
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%	**4.410A**	**1.993A**	**1.981A**	**0.996A**	75.006	85.564%	0	<6.0	44.24°C	0.931
	12.108V	5.018V	3.331V	5.02V	87.66				40.14°C	114.85V
20%	**9.851A**	**2.991A**	**2.975A**	**1.199A**	149.954	90.064%	0	<6.0	42.5°C	0.955
	12.086V	5.016V	3.328V	5.004V	166.498				40.76°C	114.83V
30%	**15.635A**	**3.49A**	**3.473A**	**1.403A**	224.953	91.134%	0	<6.0	53.51°C	0.968
	12.081V	5.015V	3.326V	4.988V	246.839				41.15°C	114.8V
40%	**21.425A**	**3.991A**	**3.974A**	**1.609A**	300.03	90.934%	947	27.1	41.6°C	0.974
	12.080V	5.012V	3.322V	4.973V	329.945				50.55°C	114.77V
50%	**26.813A**	**4.991A**	**4.971A**	**1.816A**	374.426	90.588%	941	26.9	42.22°C	0.975
	12.080V	5.009V	3.319V	4.957V	413.328				51.59°C	114.74V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
60%	**32.242A**	**5.992A**	**5.971A**	**2A**	449.223	90.148%	934	26.7	42.97°C	0.979
	12.081V	5.007V	3.316V	4.942V	498.314				53.11°C	114.72V
70%	**37.668A**	**6.994A**	**6.972A**	**2.234A**	524.258	89.443%	985	28.7	43.26°C	0.982
	12.083V	5.005V	3.314V	4.924V	586.134				55.4°C	114.69V
80%	**43.159A**	**7.994A**	**7.974A**	**2.341A**	599.445	88.741%	1061	30.9	43.87°C	0.984
	12.084V	5.003V	3.311V	4.911V	675.502				57.6°C	114.66V
90%	**48.981A**	**8.497A**	**8.464A**	**2.449A**	674.489	87.951%	1136	32.8	44.12°C	0.987
	12.086V	5.001V	3.308V	4.899V	766.897				59.83°C	114.63V
100%	**54.600A**	**9.001A**	**8.985A**	**3.085A**	749.699	86.994%	1454	40	45.04°C	0.989
	12.088V	4.999V	3.305V	4.863V	861.781				61.7°C	114.6V
110%	**60.092A**	**10.005A**	**10.083A**	**3.089A**	824.718	86.022%	1831	51.3	46.09°C	0.99
	12.089V	4.997V	3.302V	4.855V	958.734				62.13°C	114.57V
CL1	**0.114A**	**12.015A**	**11.939A**	**0A**	101.288	83.747%	958	27.5	40.28°C	0.947
	12.112V	5.01V	3.325V	5.052V	120.946				53.46°C	114.83V
CL2	**0.114A**	**19.962A**	**0A**	**0A**	101.366	82.621%	954	27.4	40.41°C	0.945
	12.112V	5.008V	3.334V	5.058V	122.688				49.98°C	114.84V
CL3	**0.114A**	**0A**	**19.866A**	**0A**	67.379	76.744%	958	27.5	40.66°C	0.93
	12.106V	5.02V	3.322V	5.054V	87.797				48.58°C	114.85V
CL4	**62.017A**	**0A**	**0A**	**0A**	749.526	87.847%	1314	37	45.3°C	0.988
	12.086V	5.009V	3.313V	5.013V	853.225				59.04°C	114.61V

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%	**4.410A**	**1.992A**	**1.981A**	**0.996A**	74.999	86.561%	0	<6.0	49.76°C	0.811
	12.109V	5.019V	3.332V	5.02V	86.643				40.32°C	229.93V
20%	**9.848A**	**2.99A**	**2.974A**	**1.199A**	149.929	91.425%	0	<6.0	50.66°C	0.895
	12.087V	5.017V	3.329V	5.004V	163.993				40.55°C	229.91V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
30%	**15.633A**	**3.49A**	**3.473A**	**1.403A**	224.927	92.65%	0	<6.0	49.88°C	0.927
	12.082V	5.015V	3.326V	4.989V	242.772				41.31°C	229.9V
40%	**21.423A**	**3.991A**	**3.973A**	**1.609A**	300.01	92.67%	945	27	41.8°C	0.944
	12.081V	5.012V	3.323V	4.973V	323.737				48.87°C	229.89V
50%	**26.810A**	**4.991A**	**4.971A**	**1.816A**	374.389	92.563%	940	26.9	42.41°C	0.953
	12.081V	5.01V	3.319V	4.957V	404.47				50.22°C	229.87V
60%	**32.239A**	**5.992A**	**5.971A**	**2A**	449.195	92.385%	933	26.7	42.95°C	0.96
	12.082V	5.007V	3.316V	4.941V	486.217				51.59°C	229.86V
70%	**37.666A**	**6.994A**	**6.972A**	**2.234A**	524.229	91.966%	984	28.7	43.38°C	0.966
	12.083V	5.005V	3.314V	4.924V	570.027				53.59°C	229.85V
80%	**43.157A**	**7.994A**	**7.973A**	**2.341A**	599.421	91.535%	1066	31	43.86°C	0.969
	12.085V	5.003V	3.311V	4.911V	654.855				55.64°C	229.84V
90%	**48.977A**	**8.497A**	**8.463A**	**2.449A**	674.473	91.033%	1139	32.9	44.75°C	0.973
	12.087V	5.001V	3.308V	4.899V	740.915				57.96°C	229.83V
100%	**54.599A**	**9.001A**	**8.985A**	**3.085A**	749.686	90.373%	1457	40	45.67°C	0.975
	12.088V	4.999V	3.305V	4.862V	829.545				59.59°C	229.82V
110%	**60.092A**	**10.005A**	**10.083A**	**3.09A**	824.707	89.616%	1880	51.2	46.29°C	0.978
	12.088V	4.997V	3.302V	4.855V	920.267				59.97°C	229.8V
CL1	**0.114A**	**12.015A**	**11.939A**	**0A**	101.285	84.763%	956	27.4	41.46°C	0.862
	12.112V	5.01V	3.325V	5.052V	119.494				52.3°C	229.93V
CL2	**0.114A**	**19.962A**	**0A**	**0A**	101.362	83.641%	954	27.4	40.71°C	0.863
	12.113V	5.009V	3.334V	5.057V	121.184				49.72°C	229.92V
CL3	**0.114A**	**0A**	**19.864A**	**0A**	67.377	77.667%	958	27.5	41.42°C	0.812
	12.107V	5.02V	3.322V	5.054V	86.749				48.2°C	229.93V
CL4	**62.018A**	**0A**	**0A**	**0A**	749.495	91.162%	1255	35.7	46.61°C	0.974
	12.085V	5.009V	3.313V	5.014V	822.165				56.65°C	229.82V

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	**1.236A**	**0.498A**	**0.495A**	**0.198A**	19.993	74.53%	0	<6.0	44.12°C	0.843
	12.003V	5.021V	3.334V	5.061V	26.825				36.8°C	114.87V
40W	**2.700A**	**0.697A**	**0.693A**	**0.297A**	39.994	77.856%	0	<6.0	45.52°C	0.9
	12.107V	5.021V	3.333V	5.055V	51.372				37.55°C	114.86V
60W	**4.174A**	**0.896A**	**0.891A**	**0.396A**	59.994	83.955%	0	<6.0	45.53°C	0.921
	12.106V	5.02V	3.333V	5.049V	71.459				38.14°C	114.85V
80W	**5.642A**	**1.096A**	**1.089A**	**0.496A**	79.94	86.676%	0	<6.0	41.42°C	0.933
	12.107V	5.02V	3.332V	5.043V	92.231				39.15°C	114.85V

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	**1.236A**	**0.498A**	**0.495A**	**0.198A**	19.995	75.444%	0	<6.0	46.94°C	0.51
	12.004V	5.021V	3.334V	5.06V	26.502				36.96°C	229.95V
40W	**2.700A**	**0.697A**	**0.693A**	**0.297A**	39.995	78.832%	0	<6.0	46.42°C	0.698
	12.107V	5.021V	3.333V	5.054V	50.733				37.24°C	229.94V
60W	**4.174A**	**0.896A**	**0.891A**	**0.396A**	59.996	85.02%	0	<6.0	45.99°C	0.773
	12.106V	5.02V	3.333V	5.049V	70.567				38.46°C	229.93V
80W	**5.642A**	**1.096A**	**1.089A**	**0.496A**	79.937	87.697%	0	<6.0	48.73°C	0.819
	12.108V	5.02V	3.332V	5.043V	91.149				39.47°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	13.0 mV	12.4 mV	12.8 mV	11.2 mV	Pass
20% Load	31.3 mV	12.1 mV	13.9 mV	10.3 mV	Pass
30% Load	19.1 mV	13.2 mV	14.0 mV	12.8 mV	Pass
40% Load	16.1 mV	13.1 mV	14.1 mV	12.0 mV	Pass
50% Load	16.7 mV	13.7 mV	14.4 mV	12.6 mV	Pass
60% Load	17.9 mV	14.0 mV	13.6 mV	13.4 mV	Pass
70% Load	17.6 mV	14.8 mV	14.4 mV	13.2 mV	Pass
80% Load	18.4 mV	16.2 mV	15.1 mV	14.0 mV	Pass
90% Load	18.9 mV	16.6 mV	15.3 mV	14.6 mV	Pass
100% Load	28.2 mV	18.8 mV	18.0 mV	16.2 mV	Pass
110% Load	29.4 mV	19.5 mV	18.3 mV	16.6 mV	Pass
Crossload 1	22.7 mV	20.0 mV	17.6 mV	12.9 mV	Pass
Crossload 2	16.3 mV	18.8 mV	18.5 mV	13.1 mV	Pass
Crossload 3	12.8 mV	13.9 mV	17.4 mV	12.9 mV	Pass
Crossload 4	27.7 mV	16.1 mV	16.0 mV	15.8 mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.2 mV	12.9 mV	13.0 mV	11.6 mV	Pass
20% Load	37.2 mV	13.1 mV	13.3 mV	11.1 mV	Pass
30% Load	21.1 mV	13.4 mV	13.5 mV	11.8 mV	Pass
40% Load	17.4 mV	14.5 mV	14.5 mV	12.5 mV	Pass
50% Load	16.1 mV	14.1 mV	14.0 mV	12.6 mV	Pass
60% Load	17.1 mV	14.4 mV	14.7 mV	13.1 mV	Pass

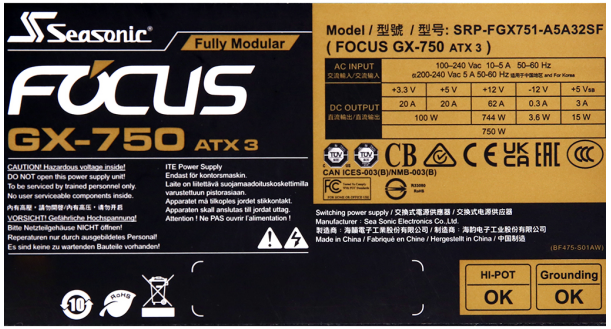
Test	12V	5V	3.3V	5VSB	Pass/Fail
70% Load	17.8 mV	15.6 mV	15.1 mV	14.9 mV	Pass
80% Load	19.0 mV	16.8 mV	16.6 mV	13.6 mV	Pass
90% Load	19.5 mV	17.4 mV	16.2 mV	14.1 mV	Pass
100% Load	30.0 mV	19.0 mV	18.4 mV	16.0 mV	Pass
110% Load	30.7 mV	21.0 mV	18.8 mV	16.9 mV	Pass
Crossload 1	17.8 mV	15.6 mV	18.1 mV	13.8 mV	Pass
Crossload 2	23.0 mV	20.6 mV	18.2 mV	13.2 mV	Pass
Crossload 3	13.7 mV	14.7 mV	17.3 mV	13.0 mV	Pass
Crossload 4	30.7 mV	16.6 mV	16.2 mV	15.7 mV	Pass

The results above are not used in the certification process

Seasonic Focus GX-750 (ATX v3.1)



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