NZXT

NZXT C1200 Platinum

Serial Number -

Lab ID NZ12003445

Certification ID 263445

Test Result Report ID: 26PS3445A

Certificate Issue Date: Oct 9, 2026

Scheme: ETA-EMI PSU

115V



230V



115V



230V



Scheme: LAMBDA PSU



Outside Validation Scope



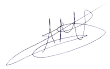
General Information

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	NZXT
Model	C1200 Platinum
OEM/ODM	HEC
Serial Number	-
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	7-15

Rated Frequency (Hz)	50-60
Rated Power (W)	1200
Operating Temperature (Continuous Full Load) (°C)	0 - 50
Type	ATX12V
Cable Design	Fully Modular
Warranty	10 years
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 150 mm
Weight	1.90 kg (4.18 lb)
Cooling	140mm Fluid Dynamic Bearing Fan (HA1425H12SF-Z)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	NZ12003445
Date of receipt	Sep 15, 2026
Testing Date	Oct 9, 2026
Report Issued Date	Oct 9, 2026
Engineer Name	Efstathios Papadopoulos
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Modular Cables				
Description	**Cable Count**	**Connector Count (Total)**	**Gauge**	**Cable Type**
ATX connector 20+4 pin (600mm)	1	1	16-18AWG	Tinned Copper
4+4 pin EPS12V (700mm)	1	1	18AWG	Tinned Copper
8 pin EPS12V (700mm)	1	1	18AWG	Tinned Copper
6+2 pin PCIe (650mm)	4	4	16AWG	Tinned Copper
12+4 pin PCIe (650mm) (600W)	1	1	16-24AWG	Tinned Copper
SATA (500mm+150mm+150mm+150mm)	2	8	18AWG	Tinned Copper

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**
Max. Power	**Amps**	20	20	100	3
	Watts	120		1200	15
Total Max. Power (W)		1200			

Parts Description

General Data	
Manufacturer (OEM)	HEC
PCB Type	Double-Sided
Primary Side	
Transient Filter	2x Y caps, 3x X caps, 2x CM chokes, 1x MOV
Inrush Protection	NTC Thermistor SCK-205R0 (5Ohm) & Relay
Bridge Rectifier(s)	2x GBUE2560P (600V, 25A @ 140°C)
APFC MOSFETs	3x Infineon IPA60R080P7 (650V, 23A @ 100°C, Rds(on): 0.08Ohm)
APFC Boost Diode	Wolfspeed C6D10065A (650V, 10A @ 155°C)
Bulk Cap(s)	1x Rubycon (450V, 560uF, 3,000h @ 105°C, MXT) 1x Rubycon (450V, 470uF, 3,000h @ 105°C, MXT)
Main Switchers	2x GP47S60YERD (600V, 16A @ 100°C, Rds(on): 0.35Ohm)
APFC Controller	Champion CM6500UNX & Champion CM03AX (reducing no load consumption)
Resonant Controller	Champion CU6901VAB

Topology	Primary side: APFC, Half-Bridge & LLC Resonant converter Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	No Info
5V & 3.3V	DC-DC Converters: 4x 2R5SN04C PWM Controller(s): Anpec APW7159C
Filtering Capacitors	Electrolytic: 3x Nippon Chemi-con (2~4,000h @ 105°C, W) 2x Nippon Chemi-con (2~4,000h @ 105°C, KZE) 1x Rubycon (6~10,000h @ 105°C, ZLH) 1x Rubycon (4~10,000h @ 105°C, YXJ) Polymer: 31x Nippon Chemi-con
Supervisor IC	INFSitronix IN1T415I-SCG
Fan Controller	Nuvoton MS51FB9AE
Fan Model	Hong Hua HA1425H12SF-Z (142mm, 12V, 0.50A, Fluid Dynamic Bearing Fan)
5VSB	
Rectification IC	UR1013P
Standby PWM Controller	Excelliance MOS EMB8569D

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	✓
Conducted Emissions EN 55032 & CISPR 32	Passed

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	90.294%
Average Noise Output (>1450 Load Combinations)	21.96dBA
Average PF (>1450 Load Combinations)	0.982
Efficiency With 10W (≤500W) or 2% (>500W) Load	77.242%
Standby Power Consumption	0.0590W
Non-Accredited	
12V Ripple (Full Load)	45.52mV
5V Ripple (Full Load)	34.72mV
3.3V Ripple (Full Load)	35.99mV
5VSB Ripple (Full Load)	24.83mV
12V Load Regulation	0.50%
5V Load Regulation	0.44%
3.3V Load Regulation	0.82%
5VSB Load Regulation	2.11%
Inrush Current	35.250A

230V

Accredited	
Average Efficiency (>1450 load combinations)	92.384%
Average Noise Output (>1450 Load Combinations)	21.98dBA
Average PF (>1450 Load Combinations)	0.946
Efficiency With 10W (≤500W) or 2% (>500W) Load	79.061%
Standby Power Consumption	0.0856W
Non-Accredited	
12V Ripple (Full Load)	47.48mV
5V Ripple (Full Load)	36.17mV
3.3V Ripple (Full Load)	37.49mV

5VSB Ripple (Full Load)		25.19mV
12V Load Regulation		0.52%
5V Load Regulation		0.46%
3.3V Load Regulation		0.89%
5VSB Load Regulation		2.15%
Inrush Current		61.490A
12V Transient Response (200%)		11.42V
5V Transient Response (200%)		4.932V
3.3V Transient Response (200%)		3.194V
5VSB Transient Response (200%)		4.912V
Hold-Up Time & PWR_OK Signal		19.80ms
AC Loss to PWR_OK Hold Up Time		17.10ms
PWR_OK Inactive to DC Loss Delay		2.70ms
PSU Timings: T1 (20% / 100%)	54.0ms	52.0ms
PSU Timings: T3 (20% / 100%)	109.0ms	109.0ms
12V OCP (31.0°C / 40.9°C)	126.000A (126.00%), 11.953V — shut down	126.200A (126.20%), 11.956V — shut down
5V OCP (31.0°C / 40.9°C)	24.300A (121.50%), 5.018V — shut down	24.300A (121.50%), 5.019V — shut down
3.3V OCP (31.0°C / 40.9°C)	25.500A (127.50%), 3.285V — shut down	25.500A (127.50%), 3.286V — shut down
5VSB OCP (31.0°C / 40.9°C)	4.800A (160.00%), 4.963V — shut down	4.800A (160.00%), 4.964V — shut down
OPP (30.73°C / 41.01°C)	124.25%	124.25%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	19.8
AC Loss to PWR_OK Hold Up Time (ms)	17.1
PWR_OK Inactive to DC Loss Delay (ms)	2.7

Vampire Power

Tables

115V

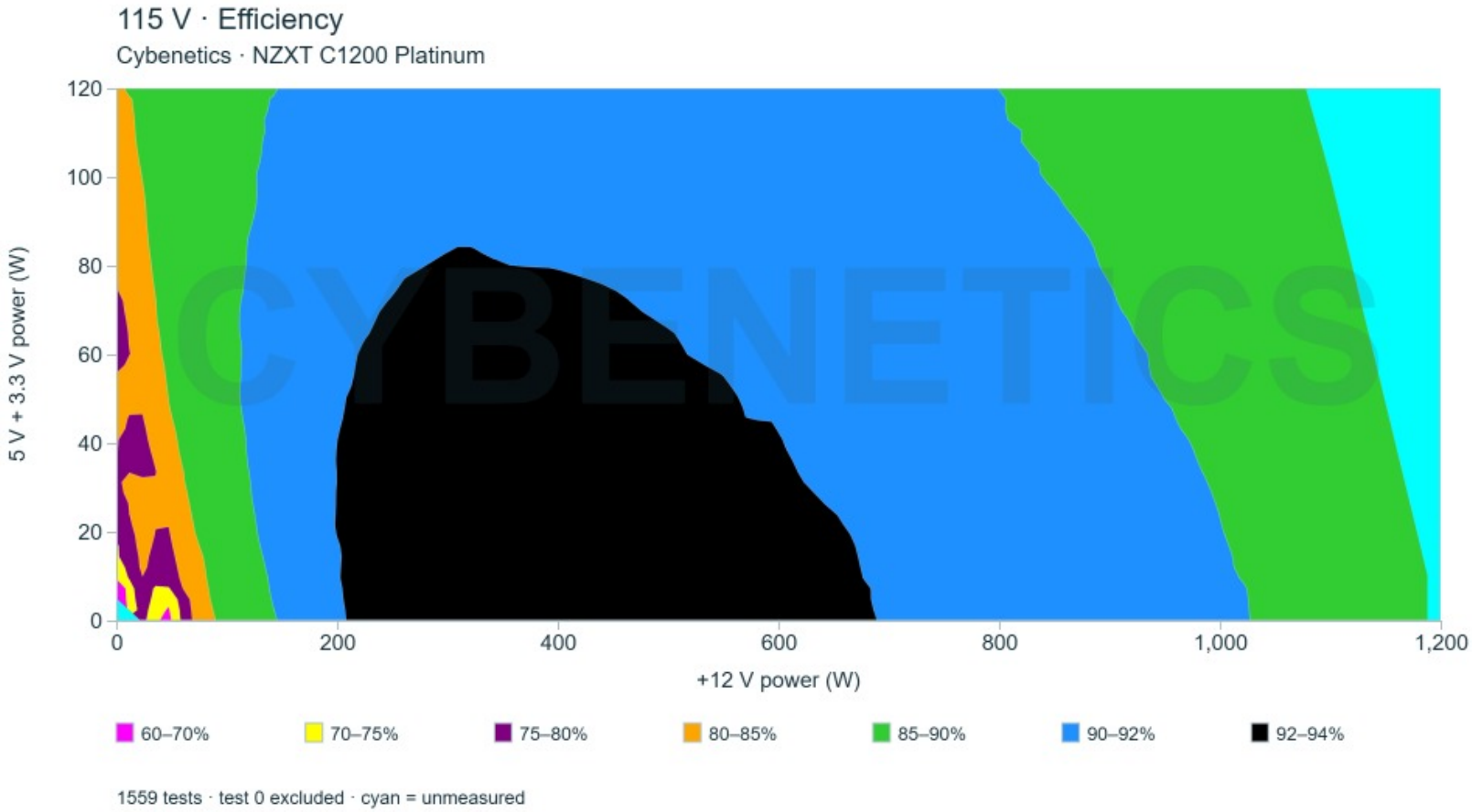
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	114.98 V	114.95 V	113.85 V	115.00 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	60.00 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.13 %	0.11 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.059 W	0.038 W	N/A	0.081 W	N/A	N/A
Apparent Power:	13.358 W	13.338 W	N/A	13.378 W	N/A	N/A
Power Factor:	0.005	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.00 V	229.97 V	227.70 V	230.01 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	50.00 Hz	49.50 Hz	50.00 Hz	50.50 Hz	PASS
Mains Voltage CF:	1.415	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.14 %	0.13 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.086 W	0.049 W	N/A	0.153 W	N/A	N/A
Apparent Power:	44.259 W	44.226 W	N/A	44.290 W	N/A	N/A
Power Factor:	0.001	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

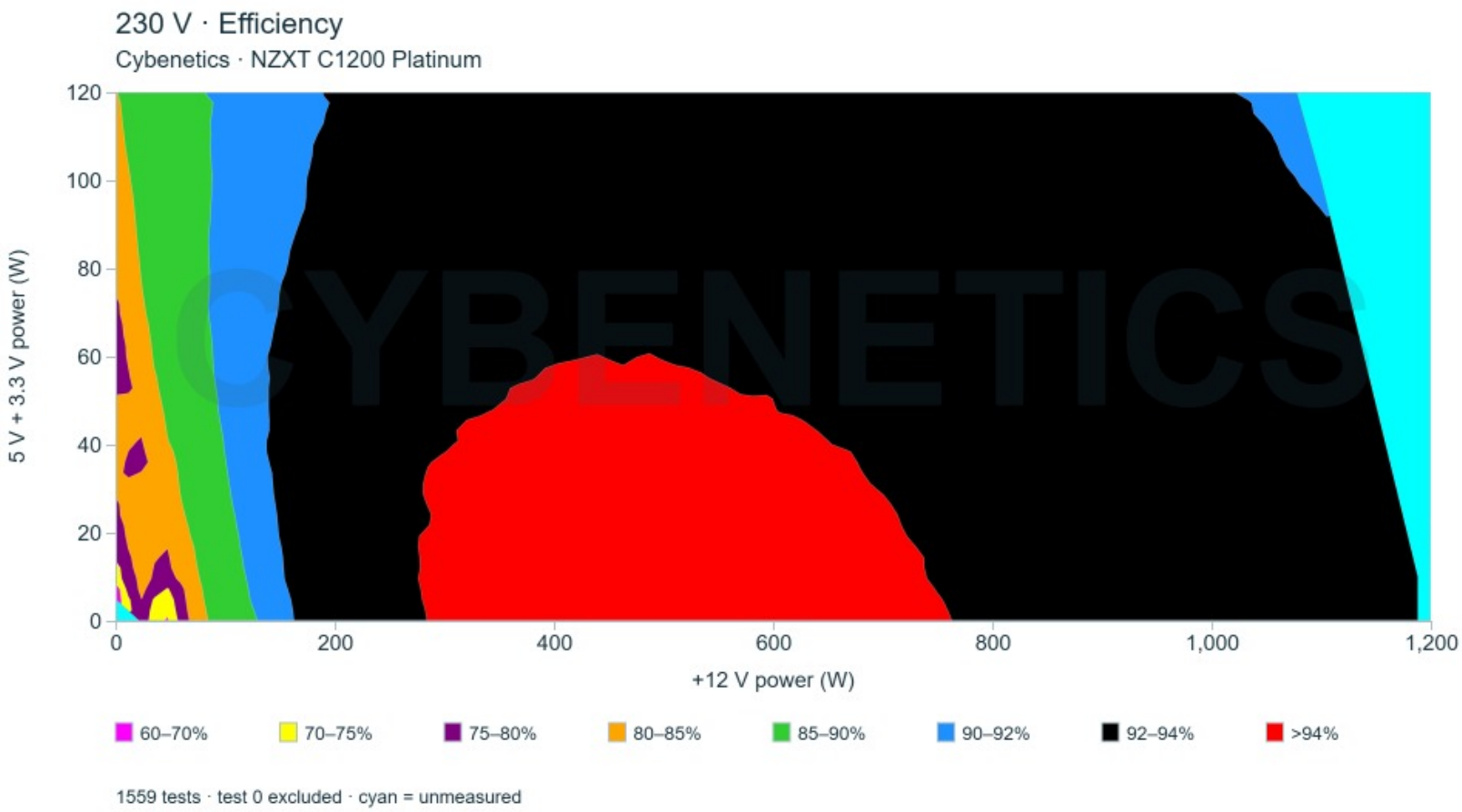
115V



INFO

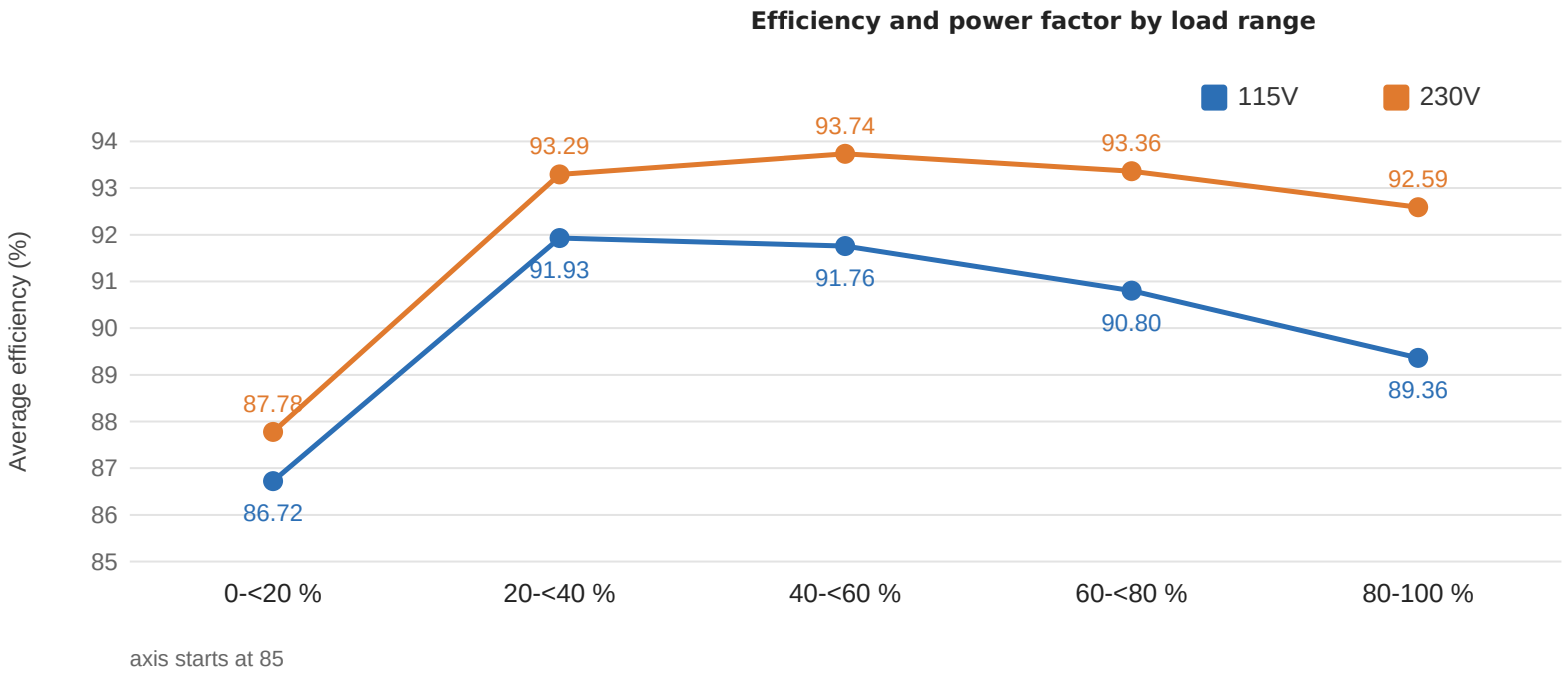
This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

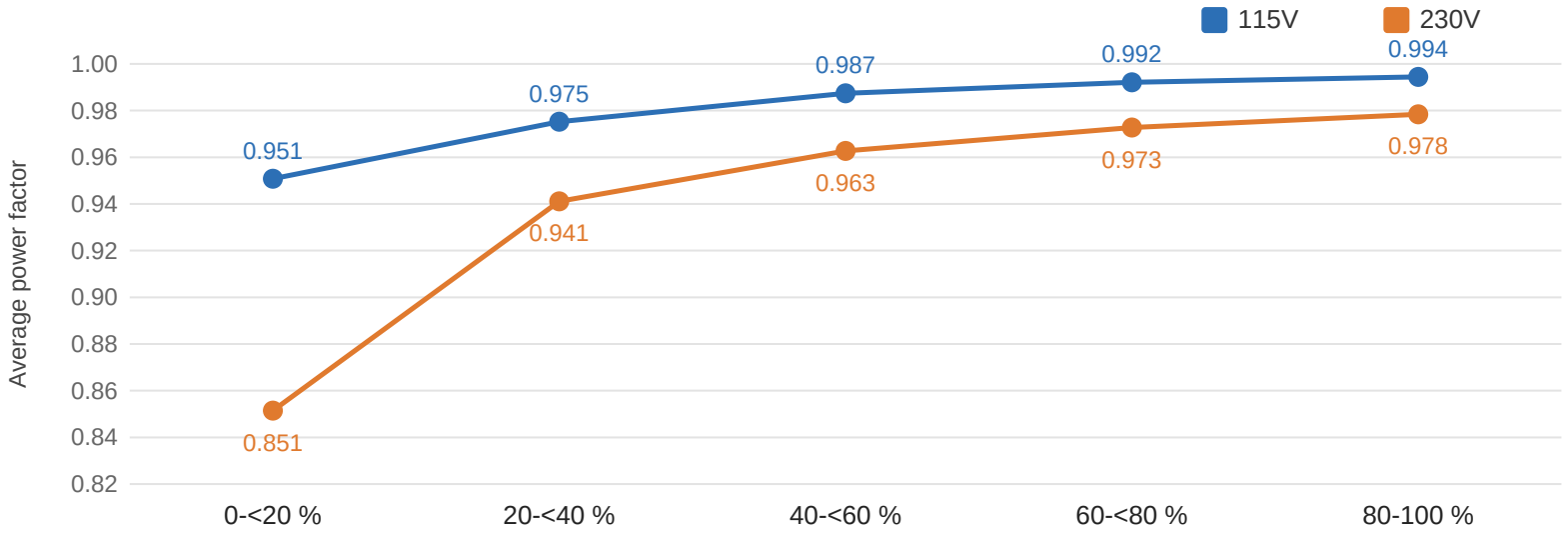


INFO

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



axis starts at 85



axis starts at 0.82

Load range	Points	Efficiency 115V	Efficiency 230V	PF 115V	PF 230V
0-<20 %	245 / 245	86.72%	87.78%	0.951	0.851
20-<40 %	328 / 328	91.93%	93.29%	0.975	0.941
40-<60 %	327 / 327	91.76%	93.74%	0.987	0.963
60-<80 %	328 / 328	90.80%	93.36%	0.992	0.973
80-100 %	331 / 331	89.36%	92.59%	0.994	0.978
70-100 % (High-Load)	497 / 497	89.74%	92.80%	0.994	0.977
All (published average)	1559 / 1559	90.29%	92.38%	0.982	0.946

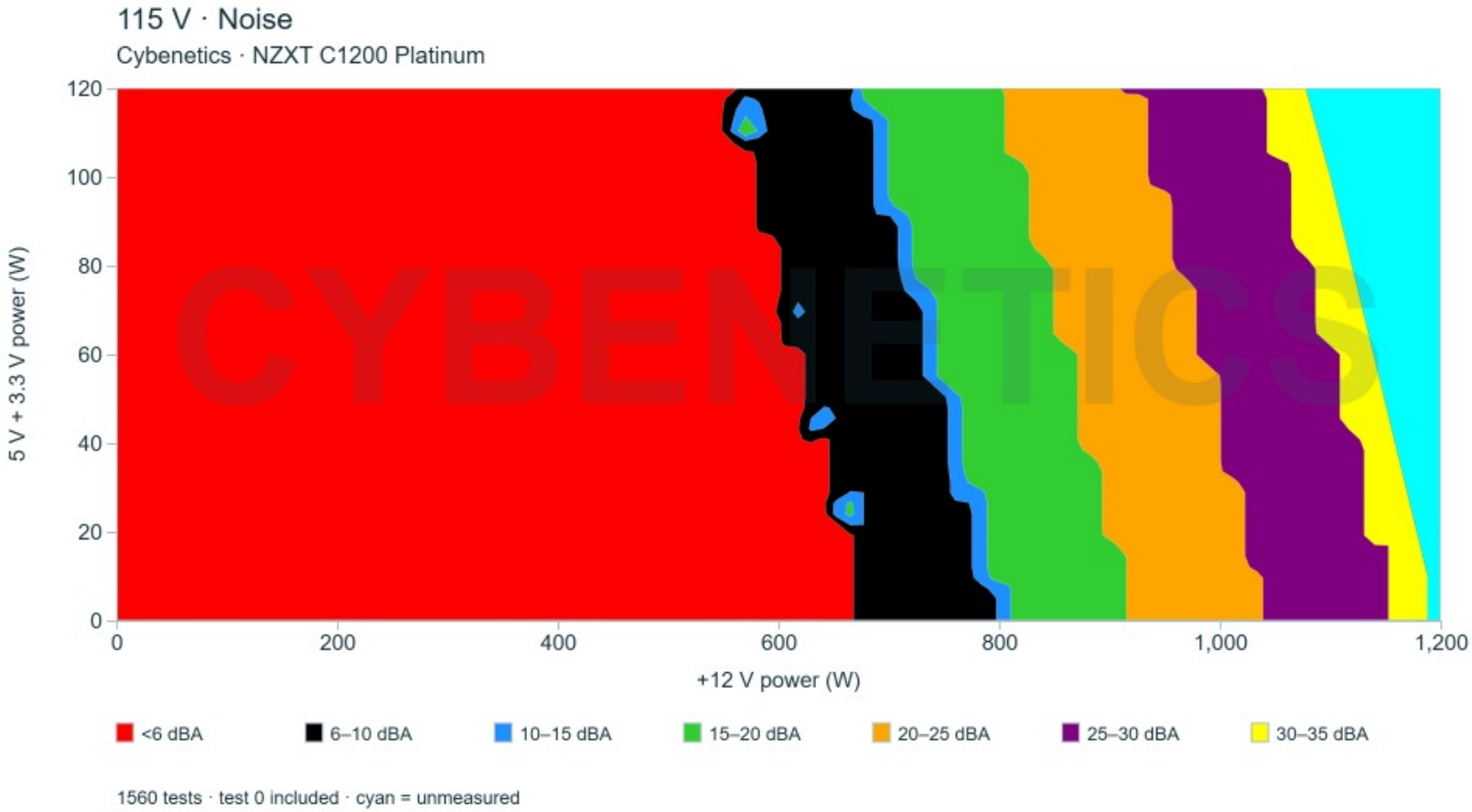
INFO

The average efficiency and power factor in five ranges of load. Calculated from the 1559 (115V) and 1559 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1200 W. These are plain averages of the valid readings, as for the ETA rating, so the ranges combined give back the published averages.

Informational. Not part of the ETA or LAMBDA rating.

Noise Graph

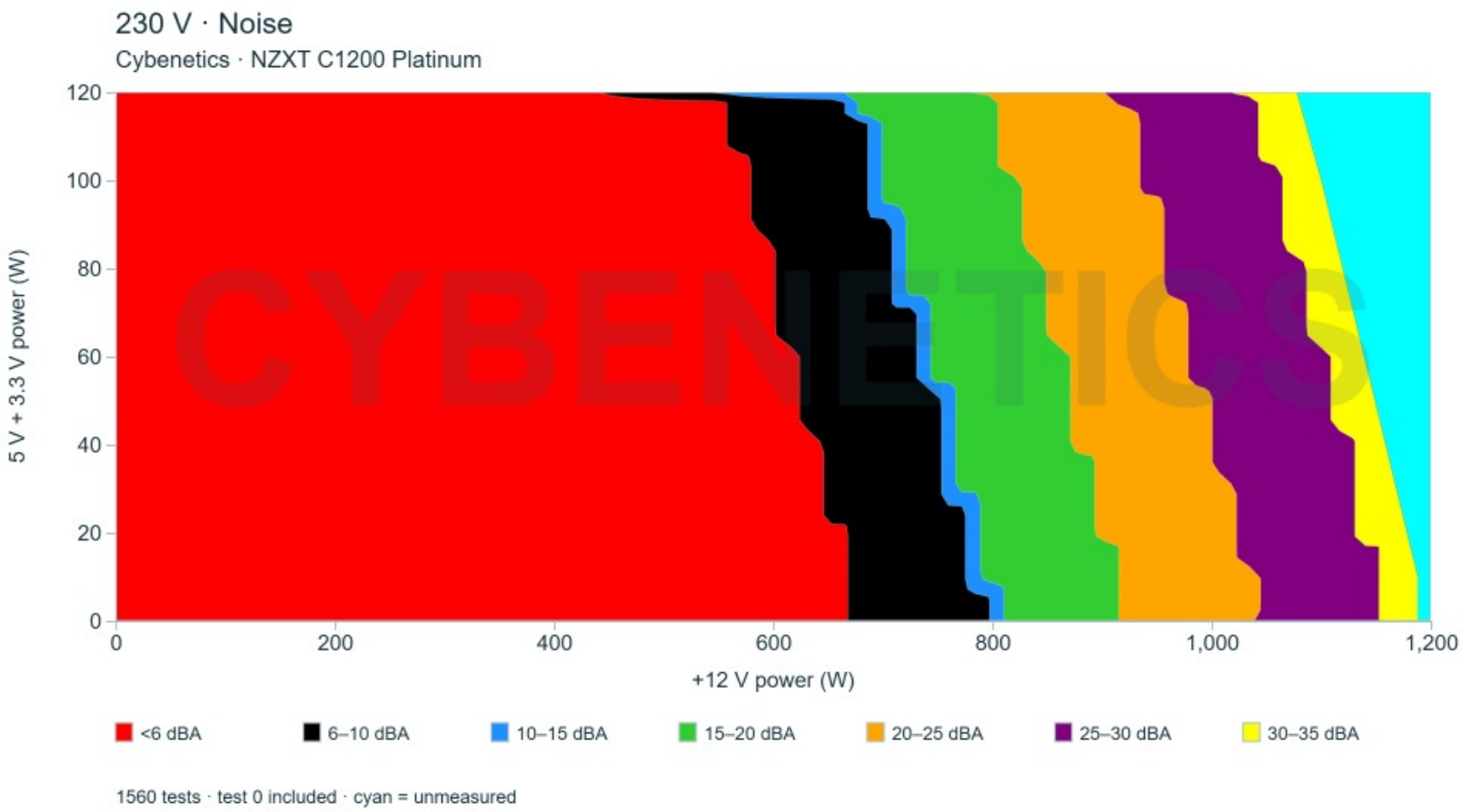
115V



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

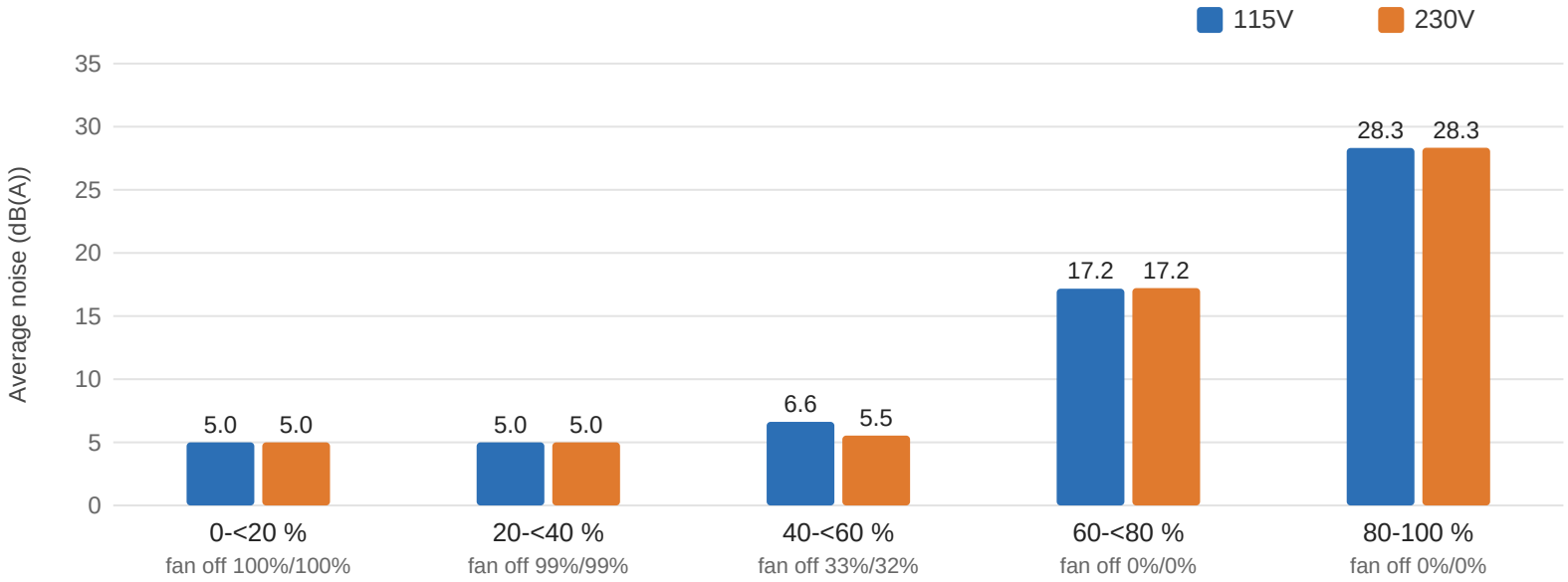
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise by load range

High-Load Index (70-100 % load)

Noise **26.8 dB(A)** at 115V and **26.8 dB(A)** at 230V · loudest point 32.9 dB(A)

Efficiency 89.74% / 92.80% · power factor 0.994 / 0.977 (115V / 230V)



Load range	Noise 115V avg (loudest)	Noise 230V avg (loudest)	Fan off 115V / 230V
0-<20 %	5.0 (5.0)	5.0 (5.0)	100% / 100%
20-<40 %	5.0 (5.0)	5.0 (5.0)	99% / 99%
40-<60 %	6.6 (22.0)	5.5 (7.6)	33% / 32%
60-<80 %	17.2 (22.0)	17.2 (22.0)	0% / 0%
80-100 %	28.3 (32.9)	28.3 (32.9)	0% / 0%
70-100 % (High-Load)	26.8 (32.9)	26.8 (32.9)	0% / 0%
All (published average)	22.0 (32.9)	22.0 (32.9)	44% / 43%

INFO

The average noise in five ranges of load, the share of points with the fan stopped (semi-passive operation), and the High-Load Index: the same figures for all points at 70 % of the rated output and above. Calculated from the 1559 (115V) and 1559 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1200 W. Noise is averaged on the energy scale, as for LAMBDA, so the ranges combined give back the published average noise. Each load combination is held for about five seconds; the stabilized readings at fixed loads are under "Noise under high ambient temperature".

Informational. Not part of the ETA or LAMBDA rating.

Noise under high ambient temperature (indicative)

115V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 32.7 °C	0 RPM · <6.0 dB(A) · 42.4 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 33.3 °C	0 RPM · <6.0 dB(A) · 44.2 °C	fan off in both
50%	803 RPM · 24.1 dB(A) · 31.0 °C	392 RPM · <6.0 dB(A) · 42.2 °C	-
100%	1067 RPM · 33.2 dB(A) · 30.8 °C	1506 RPM · 42.9 dB(A) · 45.8 °C	**+9.7 dB(A)**

230V

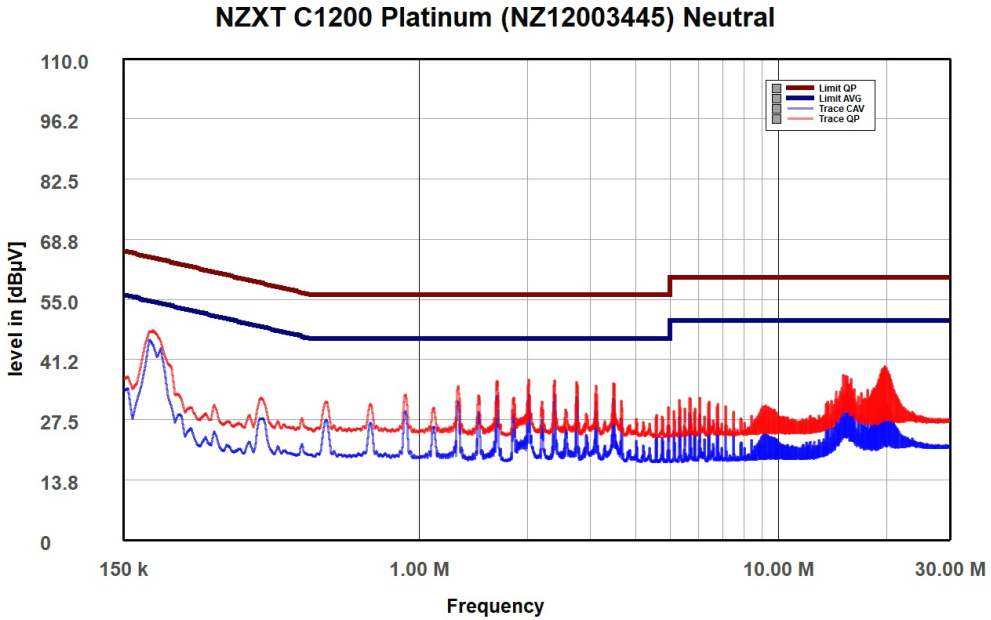
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 35.6 °C	0 RPM · <6.0 dB(A) · 55.1 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 30.8 °C	0 RPM · <6.0 dB(A) · 56.0 °C	fan off in both
50%	379 RPM · <6.0 dB(A) · 30.1 °C	396 RPM · <6.0 dB(A) · 42.2 °C	fan off in both
100%	1070 RPM · 33.2 dB(A) · 30.8 °C	1323 RPM · 39.3 dB(A) · 45.5 °C	**+6.1 dB(A)**

INFO

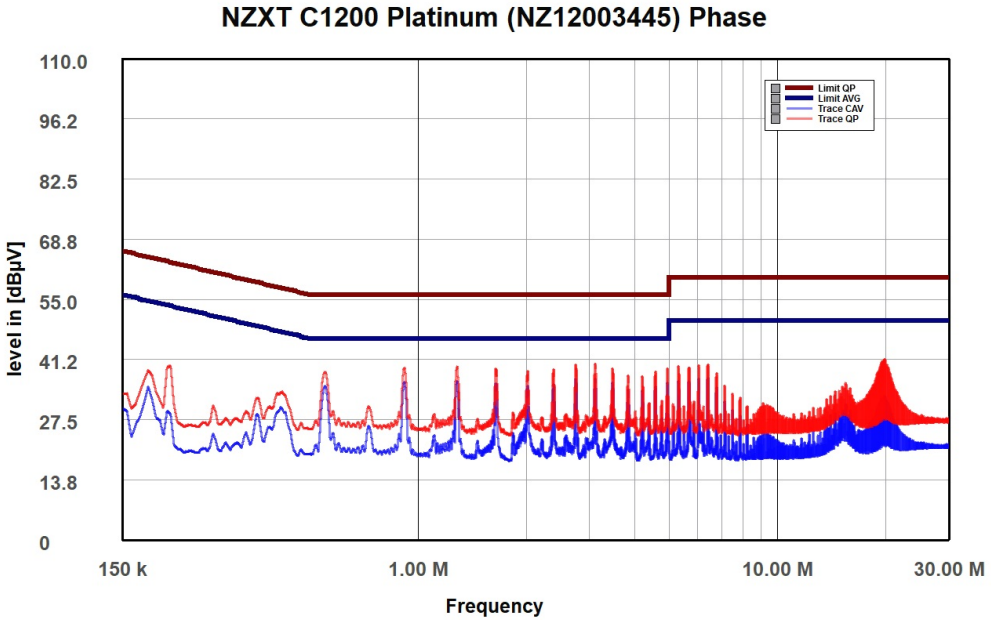
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative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



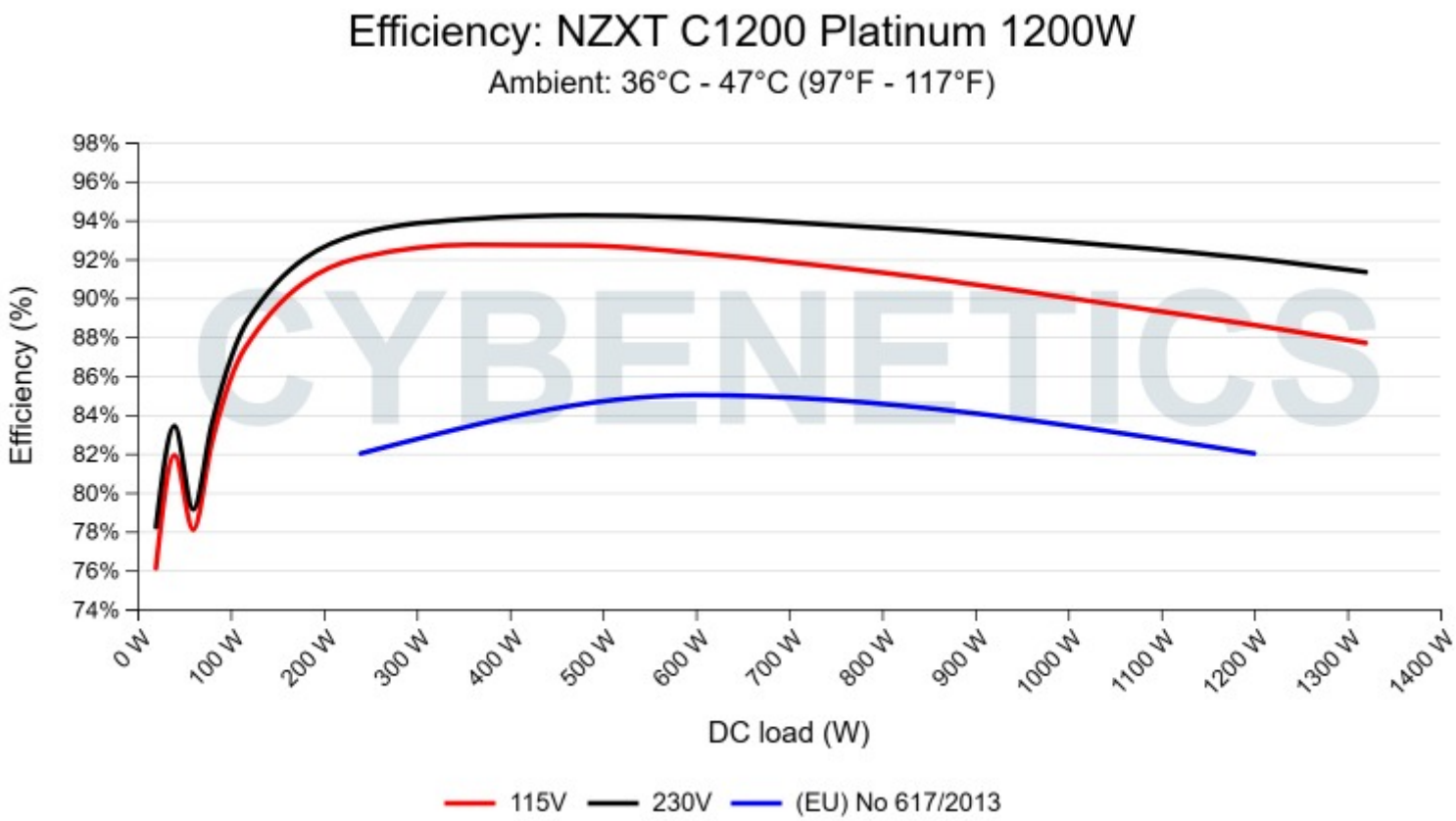
NEUTRAL



PHASE

Indicative Performance

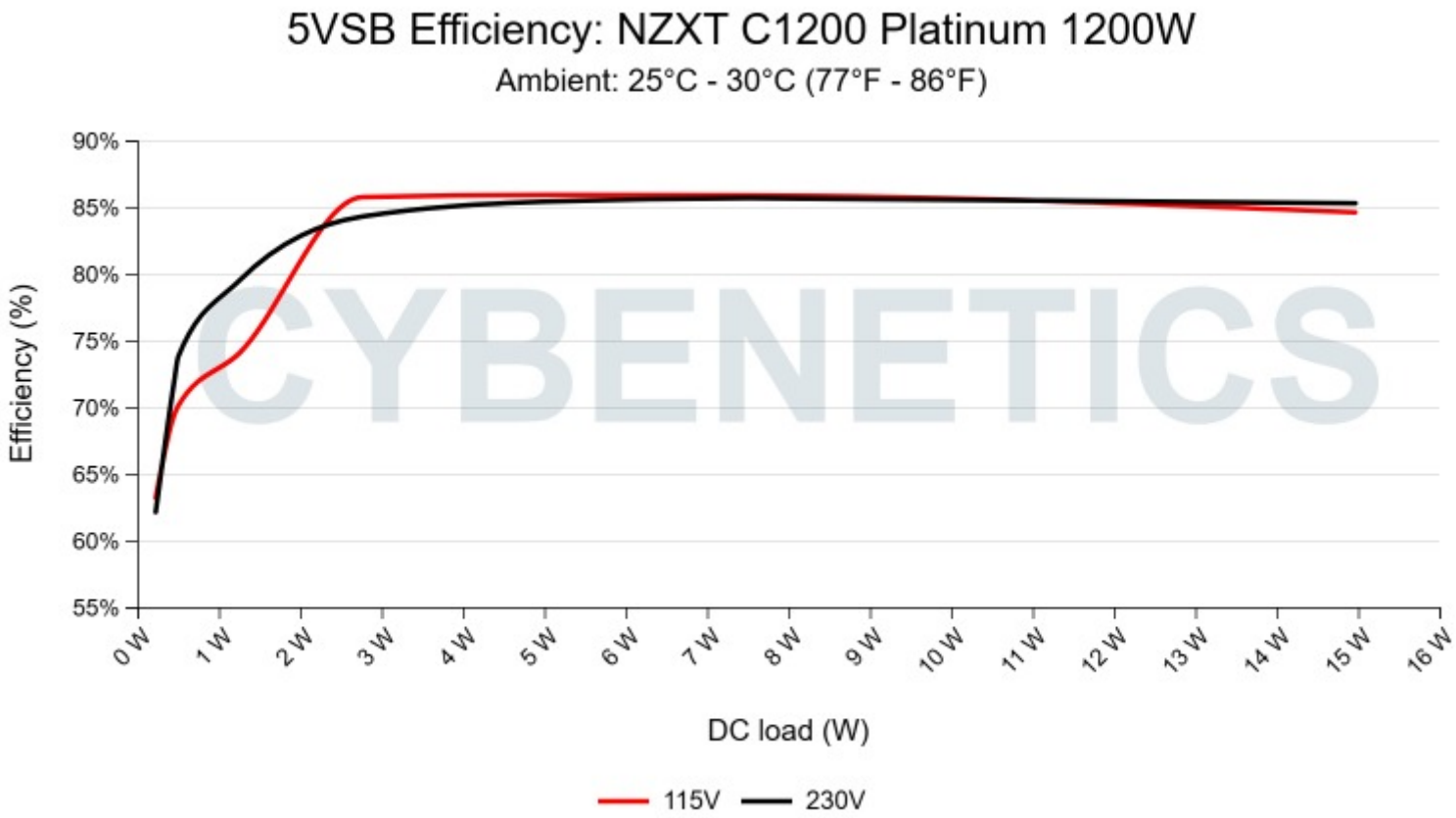
Efficiency under high ambient temperature



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**	0.227W	63.191%	0.027
	5.04V	0.359W		115.12V
2	**0.09A**	0.453W	69.387%	0.049
	5.039V	0.654W		115.12V
3	**0.55A**	2.766W	85.732%	0.208
	5.031V	3.227W		115.11V
4	**1A**	5.023W	85.896%	0.313
	5.024V	5.848W		115.11V
5	**1.5A**	7.522W	85.867%	0.378
	5.015V	8.76W		115.11V
6	**3A**	14.967W	84.596%	0.471
	4.99V	17.692W		115.1V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.227W	62.135%	0.008
	5.042V	0.365W		230.31V
2	**0.09A**	0.454W	71.911%	0.014
	5.041V	0.631W		230.31V
3	**0.55A**	2.768W	84.28%	0.072
	5.032V	3.284W		230.3V
4	**1A**	5.024W	85.401%	0.124
	5.025V	5.883W		230.29V
5	**1.5A**	7.524W	85.665%	0.175
	5.016V	8.783W		230.29V
6	**3A**	14.97W	85.272%	0.284
	4.99V	17.556W		230.28V

Protection Features

OCP (Normal @ 31.0°C)	12V: 126.000A (126.00%), 11.953V — shut down 5V: 24.300A (121.50%), 5.018V — shut down 3.3V: 25.500A (127.50%), 3.285V — shut down 5VSB: 4.800A (160.00%), 4.963V — shut down
OCP (Hot @ 40.9°C)	12V: 126.200A (126.20%), 11.956V — shut down 5V: 24.300A (121.50%), 5.019V — shut down 3.3V: 25.500A (127.50%), 3.286V — shut down 5VSB: 4.800A (160.00%), 4.964V — shut down
OVP (per rail)	12V: 13.930V (✓) 5V: 5.875V (✓) 3.3V: 3.890V (✓)
OPP (Normal @ 30.7°C)	1491.035W (124.25%) — shut down
OPP (Hot @ 41.0°C)	1491.036W (124.25%) — shut down
OTP	✓ (130°C @ 12V Heatsink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓
PWR_OK	Proper Operation
UVP (Typical Load @ 90V)	✓
UVP (No Damage @ 80V)	✓
Conducted Emissions EN 55032 & 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%	**8.185A**	**1.091A**	**1.999A**	**0.994A**	115.497	87.401%	0	<6.0	42.4°C	0.955
	12.022V	5.04V	3.301V	5.033V	132.145				40.48°C	115.04V
20%	**17.408A**	**2.978A**	**3.001A**	**1.195A**	239.953	92.079%	0	<6.0	44.2°C	0.965
	12.008V	5.038V	3.299V	5.022V	260.595				40.57°C	114.99V
30%	**26.910A**	**3.475A**	**3.504A**	**1.397A**	359.142	92.725%	0	<6.0	51.36°C	0.976
	12.006V	5.036V	3.296V	5.012V	387.318				41.18°C	114.96V
40%	**36.521A**	**3.972A**	**4.007A**	**1.599A**	479.49	92.695%	0	<6.0	51.21°C	0.983
	12.001V	5.035V	3.294V	5.003V	517.28				41.6°C	114.92V
50%	**45.748A**	**4.968A**	**5.014A**	**1.802A**	599.23	92.304%	392	<6.0	42.18°C	0.987
	11.995V	5.032V	3.291V	4.993V	649.194				55.38°C	114.88V
60%	**55.039A**	**5.965A**	**6.023A**	**2A**	719.723	91.735%	491	7.3	42.98°C	0.99
	11.991V	5.03V	3.288V	4.984V	784.57				59.7°C	114.85V
70%	**64.278A**	**6.963A**	**7.034A**	**2.211A**	839.485	91.065%	639	16.5	43.16°C	0.992
	11.985V	5.027V	3.285V	4.974V	921.85				62.17°C	114.81V
80%	**73.589A**	**7.959A**	**8.045A**	**2.316A**	959.455	90.283%	764	22.4	43.93°C	0.994
	11.980V	5.025V	3.281V	4.965V	1062.72				65.17°C	114.76V
90%	**83.234A**	**8.46A**	**8.539A**	**2.42A**	1079.263	89.442%	1083	33.7	44.03°C	0.995
	11.975V	5.023V	3.279V	4.958V	1206.665				67.89°C	114.72V
100%	**92.698A**	**8.961A**	**9.066A**	**3.036A**	1199.275	88.613%	1506	42.9	45.78°C	0.995
	11.970V	5.021V	3.276V	4.941V	1353.386				66.9°C	114.67V
110%	**102.095A**	**9.962A**	**10.175A**	**3.04A**	1319.889	87.679%	1867	48.7	46.67°C	0.996
	11.965V	5.018V	3.272V	4.934V	1505.371				65.6°C	114.62V
CL1	**0.115A**	**14.362A**	**14.48A**	**0A**	121.277	83.245%	290	<6.0	40.18°C	0.959
	12.013V	5.027V	3.294V	5.046V	145.688				59.01°C	115.06V

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**	**19.903A**	**0A**	**0A**	101.357	81.124%	289	<6.0	40.04°C	0.954
	12.018V	5.023V	3.305V	5.052V	124.941				58.66°C	115.07V
CL3	**0.114A**	**0A**	**20.039A**	**0A**	67.371	73.496%	0	<6.0	48.77°C	0.942
	12.016V	5.041V	3.293V	5.05V	91.666				40.61°C	115.08V
CL4	**100.168A**	**0A**	**0A**	**0A**	1199.907	89.121%	1511	42.9	45.16°C	0.995
	11.979V	5.031V	3.284V	5V	1346.373				65.07°C	114.67V

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%	**8.182A**	**1.984A**	**1.999A**	**0.993A**	119.979	88.938%	0	<6.0	55.09°C	0.855
	12.023V	5.04V	3.302V	5.034V	134.901				40.24°C	230.3V
20%	**17.399A**	**2.977A**	**3.001A**	**1.194A**	239.93	93.316%	0	<6.0	56.02°C	0.918
	12.013V	5.038V	3.299V	5.023V	257.117				40.61°C	230.3V
30%	**26.905A**	**3.475A**	**3.503A**	**1.396A**	359.093	94.06%	0	<6.0	58.47°C	0.942
	12.007V	5.037V	3.297V	5.013V	381.768				41.12°C	230.28V
40%	**36.518A**	**3.972A**	**4.007A**	**1.599A**	479.464	94.248%	0	<6.0	55.92°C	0.956
	12.001V	5.035V	3.294V	5.004V	508.727				41.77°C	230.26V
50%	**45.742A**	**4.968A**	**5.014A**	**1.802A**	599.2	94.125%	396	<6.0	42.18°C	0.963
	11.996V	5.032V	3.291V	4.993V	636.598				57.27°C	230.25V
60%	**55.045A**	**5.965A**	**6.023A**	**2A**	719.701	93.833%	492	7.3	42.9°C	0.968
	11.989V	5.03V	3.288V	4.983V	767.004				58.26°C	230.23V
70%	**64.280A**	**6.963A**	**7.034A**	**2.211A**	839.465	93.485%	642	16.5	43.48°C	0.973
	11.985V	5.027V	3.285V	4.973V	897.969				59.66°C	230.21V
80%	**73.587A**	**7.959A**	**8.044A**	**2.316A**	959.449	93.043%	767	22.4	43.97°C	0.976
	11.980V	5.025V	3.282V	4.965V	1031.188				62.52°C	230.19V
90%	**83.235A**	**8.46A**	**8.539A**	**2.42A**	1079.254	92.55%	1084	33.7	44.59°C	0.979
	11.975V	5.023V	3.279V	4.957V	1166.137				64.35°C	230.17V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**92.701A**	**8.962A**	**9.067A**	**3.036A**	1199.277	92.013%	1323	39.3	45.45°C	0.981
	11.970V	5.02V	3.275V	4.94V	1303.379				62.55°C	230.15V
110%	**102.102A**	**9.962A**	**10.176A**	**3.04A**	1319.898	91.326%	1968	49.8	46.96°C	0.983
	11.964V	5.018V	3.272V	4.933V	1445.258				61.65°C	230.12V
CL1	**0.115A**	**14.362A**	**14.48A**	**0A**	121.28	84.447%	291	<6.0	40.03°C	0.864
	12.013V	5.027V	3.294V	5.046V	143.616				62.45°C	230.33V
CL2	**0.115A**	**19.902A**	**0A**	**0A**	101.358	82.279%	290	<6.0	40.28°C	0.842
	12.018V	5.023V	3.305V	5.052V	123.189				61.86°C	230.34V
CL3	**0.114A**	**0A**	**20.041A**	**0A**	67.37	74.539%	0	<6.0	40.43°C	0.786
	12.015V	5.041V	3.293V	5.049V	90.383				44.08°C	230.35V
CL4	**100.172A**	**0A**	**0A**	**0A**	1199.904	92.408%	1510	42.9	45.53°C	0.981
	11.978V	5.031V	3.284V	4.999V	1298.49				61.63°C	230.15V

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	**1.241A**	**0.496A**	**0.5A**	**0.198A**	19.991	76.105%	0	<6.0	46.21°C	0.832
	11.962V	5.043V	3.303V	5.044V	26.268				36.27°C	115.11V
40W	**2.728A**	**0.694A**	**0.699A**	**0.297A**	39.995	81.912%	0	<6.0	50.58°C	0.912
	11.981V	5.043V	3.303V	5.044V	48.827				37.55°C	115.1V
60W	**4.204A**	**0.892A**	**0.899A**	**0.396A**	59.997	78.082%	0	<6.0	44.8°C	0.945
	12.020V	5.042V	3.303V	5.045V	76.839				38.29°C	115.08V
80W	**5.682A**	**1.091A**	**1.099A**	**0.496A**	79.943	82.527%	0	<6.0	42.23°C	0.942
	12.022V	5.041V	3.303V	5.043V	96.869				39.49°C	115.06V

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	**1.242A**	**0.496A**	**0.499A**	**0.198A**	19.996	78.22%	0	<6.0	44.46°C	0.427
	11.961V	5.043V	3.304V	5.046V	25.564				36.95°C	230.32V
40W	**2.730A**	**0.694A**	**0.699A**	**0.297A**	39.999	83.42%	0	<6.0	45.11°C	0.621
	11.978V	5.042V	3.303V	5.045V	47.949				37.22°C	230.29V
60W	**4.204A**	**0.892A**	**0.899A**	**0.396A**	59.999	79.126%	0	<6.0	49.98°C	0.747
	12.021V	5.042V	3.303V	5.046V	75.827				38.35°C	230.28V
80W	**5.682A**	**1.091A**	**1.099A**	**0.496A**	79.936	83.499%	0	<6.0	53.12°C	0.797
	12.022V	5.041V	3.303V	5.044V	95.732				39.27°C	230.29V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	21.55mV	18.81mV	19.50mV	12.59mV	Pass
20% Load	27.12mV	19.06mV	19.08mV	14.25mV	Pass
30% Load	26.19mV	22.46mV	24.41mV	13.47mV	Pass
40% Load	25.83mV	19.58mV	18.87mV	13.42mV	Pass
50% Load	26.45mV	19.27mV	20.07mV	13.27mV	Pass
60% Load	27.58mV	20.09mV	20.58mV	14.04mV	Pass
70% Load	30.42mV	20.71mV	19.81mV	16.36mV	Pass
80% Load	30.27mV	19.83mV	20.69mV	14.40mV	Pass
90% Load	38.41mV	27.20mV	27.56mV	19.20mV	Pass
100% Load	45.52mV	34.72mV	35.99mV	24.83mV	Pass
110% Load	41.81mV	29.88mV	30.25mV	21.16mV	Pass
Crossload1	23.92mV	19.83mV	20.53mV	13.16mV	Pass
Crossload2	24.02mV	20.45mV	19.14mV	13.21mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	23.41mV	19.01mV	22.13mV	12.85mV	Pass
Crossload4	32.07mV	26.74mV	21.30mV	16.26mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	22.89mV	19.83mV	20.79mV	12.96mV	Pass
20% Load	29.08mV	19.83mV	20.53mV	13.52mV	Pass
30% Load	26.65mV	19.58mV	20.94mV	13.47mV	Pass
40% Load	27.07mV	19.63mV	21.10mV	13.88mV	Pass
50% Load	27.63mV	19.94mV	20.58mV	14.19mV	Pass
60% Load	27.74mV	19.37mV	20.43mV	13.89mV	Pass
70% Load	29.70mV	19.78mV	20.58mV	16.10mV	Pass
80% Load	30.83mV	20.40mV	21.46mV	14.14mV	Pass
90% Load	32.07mV	20.92mV	22.03mV	14.87mV	Pass
100% Load	47.48mV	36.17mV	37.49mV	25.19mV	Pass
110% Load	44.96mV	30.24mV	30.98mV	21.42mV	Pass
Crossload1	30.88mV	29.00mV	26.73mV	17.81mV	Pass
Crossload2	25.73mV	21.07mV	20.58mV	13.89mV	Pass
Crossload3	23.62mV	20.25mV	23.06mV	13.37mV	Pass
Crossload4	32.89mV	20.56mV	21.41mV	15.23mV	Pass

The results above are not used in the certification process

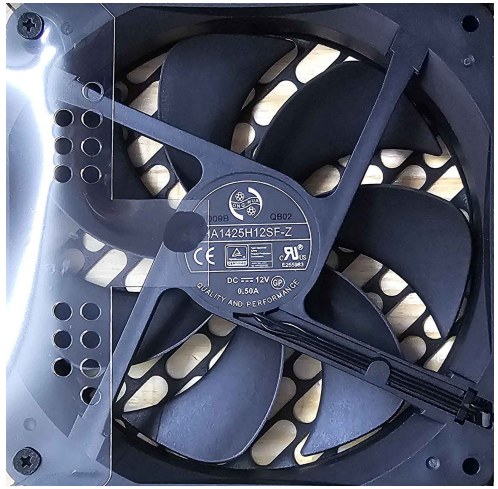
NZXT C1200 Platinum



Top side



Power specifications label



Fan



PSU Internals

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