



1st Player NGDP 1200W

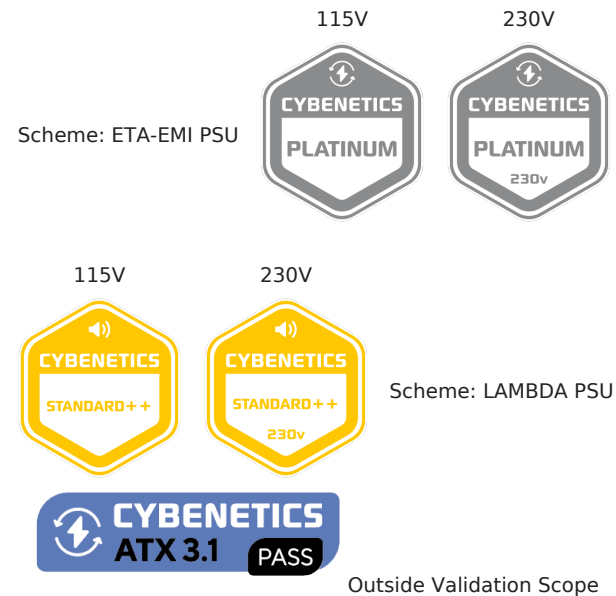
Serial Number 251018PSNGDP-M0702

Lab ID 1P12003069

Certification ID 253069

Test Result Report ID: 25PS3069A

Certificate Issue Date: Dec 19, 2025



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	1st Player
Model	NGDP 1200W
OEM/ODM	Helly Technology
Serial Number	251018PSNGDP-M0702
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	7.5-15

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 140mm
Weight	1.57 kg (3.46 lbs)
Cooling	120mm Fluid Dynamic Bearing Fan (HA1225H12F-Z)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	1P12003069
Date of receipt	Dec 10, 2025
Testing Date	Dec 17, 2025
Report Issued Date	Dec 19, 2025
Engineer Name	Ioannis Kalyviotis
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 (610mm)	1	1	16-18AWG	Tinned Copper
4+4 pin EPS12V (700mm)	2	2	16AWG	Tinned Copper
6+2 pin PCIe (750mm)	4	4	16-18AWG	Tinned Copper
12+4 pin PCIe (720mm) (600W)	1	1	16-24AWG	Tinned Copper
SATA (405mm+155mm+155mm+155mm)	2	8	18AWG	Copper
4-pin Molex (410mm+155mm+155mm+155mm)	1	4	18AWG	Copper
AC Power Cord (1400mm) - C13 coupler	1	1	14AWG	-

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	100	3	0.3
	Watts	120		1200	15	3.6
Total Max. Power (W)		1200				

Parts Description

General Data	
Manufacturer (OEM)	Helly Technology
PCB Type	Double-Sided
Primary Side	
Transient Filter	2 x Y caps, 2x X caps, 2x TRX Y1222M caps, 2x CM chokes, 1x MOV
Inrush Protection	NTC Thermistor MF73T-2 20/7 (20 Ohm) & Relay
Bridge Rectifier	2x
APFC MOSFETs	2x Oriental Semiconductor OSG60R070HF (600V, 47A @ 25°C, Rds(on): 0.070Ohm)
APFC Boost Diode	Sanan Semiconductor SDS065J010C3 (650V, 30A @ 25°C)
Bulk Cap(s)	Nippon Chemi-Con (400V, 1,000uF, 2000h @ 105°C,KMW)
Main Switchers	2x Convert Semi CS45N50FW (500V, 45A @ 25°C, Rds(on): 100mOhm)
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 Huayi HYG011N04LS1C2 (40V, 265A @ 25°C, Rds(on): 1.4mOhm)
5V & 3.3V	DC-DC Converters: 2x KS3212T 2x KS3214T PWM Controller(s): 2x ANPEC APW7073
Filtering Capacitors	Electrolytic: 2x Nippon Chemi-Con (2-5,000h @ 105°C, KZE) Nippon Chemi-Con (@ 105°C, W) 3x Rubycon (4-10,000 @ 105°C, YXF) Rubycon (4-10,000 @ 105°C, YXJ) Polymer: 6x Beryl (BC), 27x Chengx (PC)
Supervisor IC	Weltrend WT7527RA (OCP, OVP, UVP, PG, SCP)
Fan Model	Hong Hua HA1225H12F-Z (120mm, 12V, 0.58A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	Dongke Semiconductor DK5V60R20S (60V, 20mOhm)
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	✓
ATX v3.1 PSU Power Excursion	✓

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	89.579%
Average Noise Output (>1450 Load Combinations)	31.40dBA
Average PF (>1450 Load Combinations)	0.991
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	72.998%
Standby Power Consumption	0.0556W
Non-Accredited	
12V Ripple (Full Load)	32.18mV
5V Ripple (Full Load)	24.08mV
3.3V Ripple (Full Load)	24.13mV
5VSB Ripple (Full Load)	19.16mV
12V Load Regulation	0.17%
5V Load Regulation	0.97%
3.3V Load Regulation	0.57%
5VSB Load Regulation	3.95%
Inrush Current	-

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.761%
Average Noise Output (>1450 Load Combinations)	30.67dBA
Average PF (>1450 Load Combinations)	0.976
Efficiency With 10W ($\leq 500W$) or 2% (>500W) Load	73.354%
Standby Power Consumption	0.1754W
Non-Accredited	
12V Ripple (Full Load)	30.97mV
5V Ripple (Full Load)	16.63mV
3.3V Ripple (Full Load)	18.67mV

5VSB Ripple (Full Load)	17.48mV	
12V Load Regulation	0.19%	
5V Load Regulation	1.01%	
3.3V Load Regulation	0.81%	
5VSB Load Regulation	3.95%	
Inrush Current	-	
12V Transient Response (200%)	11.27V	
5V Transient Response (200%)	4.845V	
3.3V Transient Response (200%)	3.195V	
5VSB Transient Response (200%)	4.924V	
Hold-Up Time & PWR_OK Signal	19.90ms	
AC Loss to PWR_OK Hold Up Time	17.10ms	
PWR_OK Inactive to DC Loss Delay	2.80ms	
PSU Timings: T1 (20% / 100%)	62.0ms	61.0ms
PSU Timings: T3 (20% / 100%)	123.0ms	123.0ms
12V OCP (29.5°C / 44.6°C)	130.80A (130.80%), 12.096V	124.00A (124.00%), 12.108V
5V OCP (29.5°C / 44.6°C)	26.8A (134.00%), 4.954V	26.8A (134.00%), 4.957V
3.3V OCP (29.5°C / 44.6°C)	28.2A (141.00%), 3.369V	28A (140.00%), 3.371V
5VSB OCP (29.5°C / 44.6°C)	3.9A (130.00%), 5.013V	3.9A (130.00%), 5.007V
OPP (29.13°C / 45.62°C)	138.00%	125.09%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	19.9
AC Loss to PWR_OK Hold Up Time (ms)	17.1
PWR_OK Inactive to DC Loss Delay (ms)	2.8

Stromverbrauch im Ruhezustand

Tables

115V

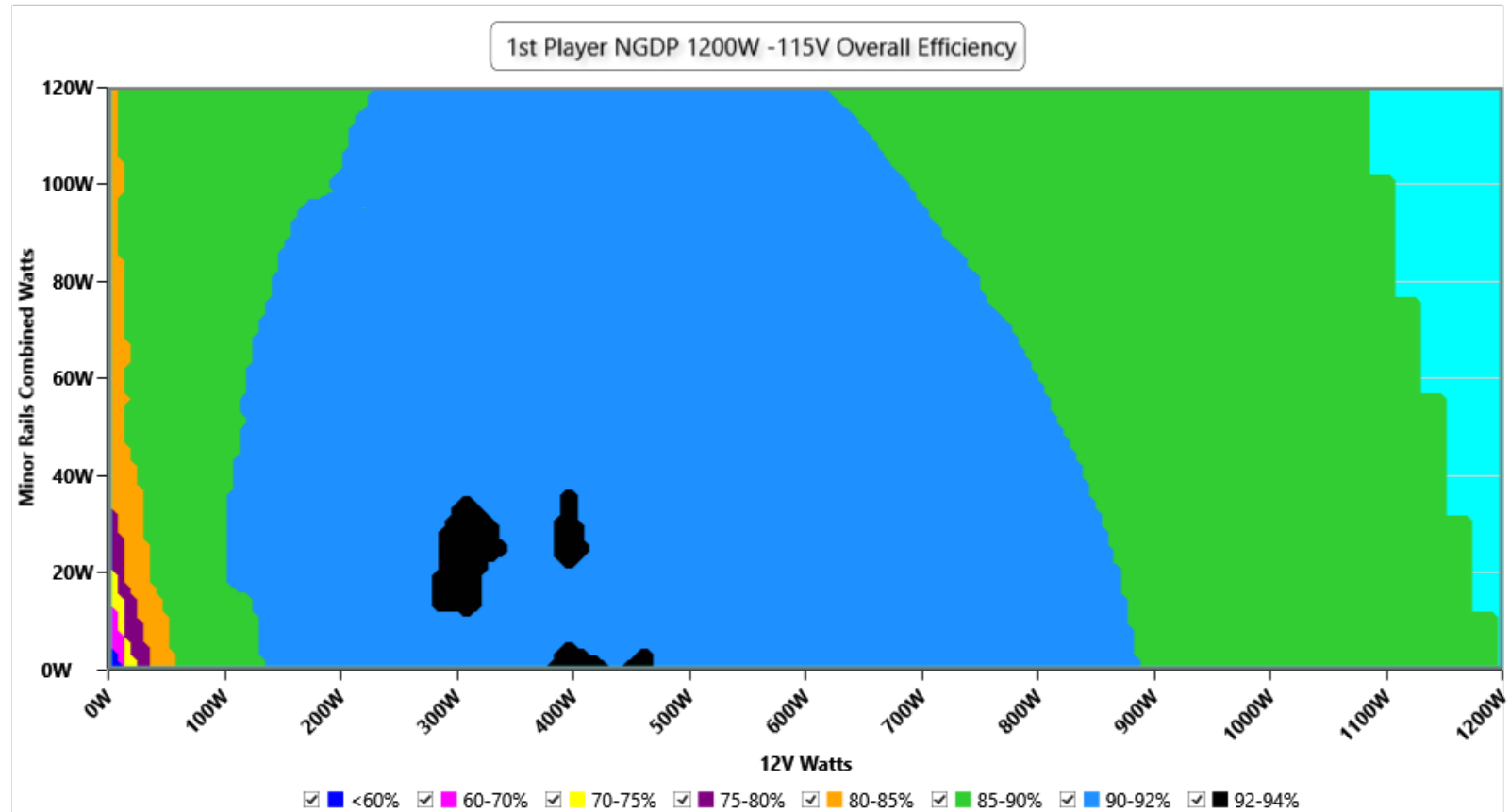
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.02 V	115.00 V	113.85 V	115.04 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	60.00 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.13 %	0.11 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.056 W	0.036 W	N/A	0.076 W	N/A	N/A
Apparent Power:	6.699 W	6.678 W	N/A	6.720 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:	230.07 V	230.04 V	227.70 V	230.08 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:	0.175 W	0.083 W	N/A	0.344 W	N/A	N/A
Apparent Power:	21.393 W	21.353 W	N/A	21.441 W	N/A	N/A
Power Factor:	0.005	N/A	N/A	N/A	N/A	N/A

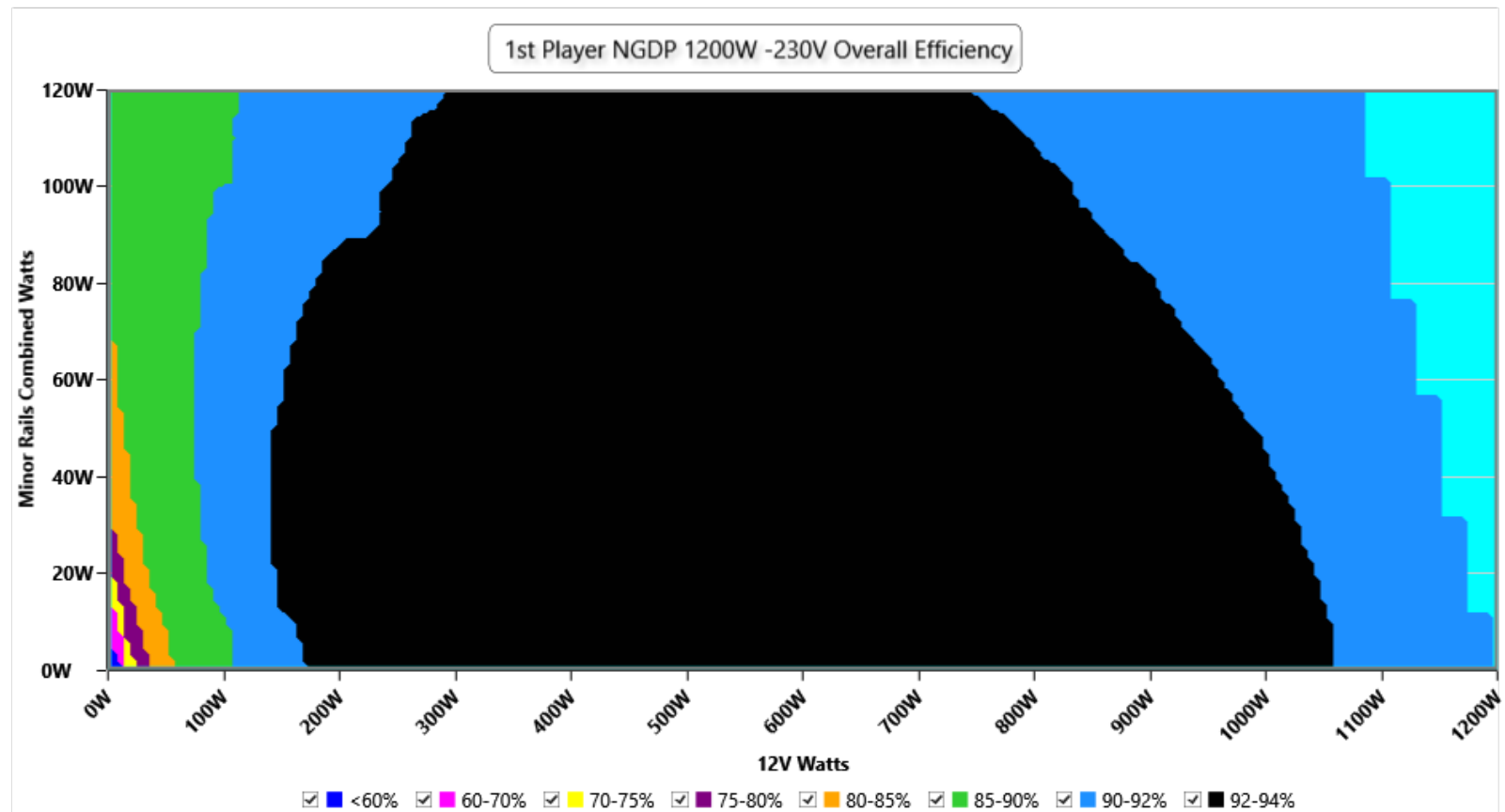
Efficiency Graph

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

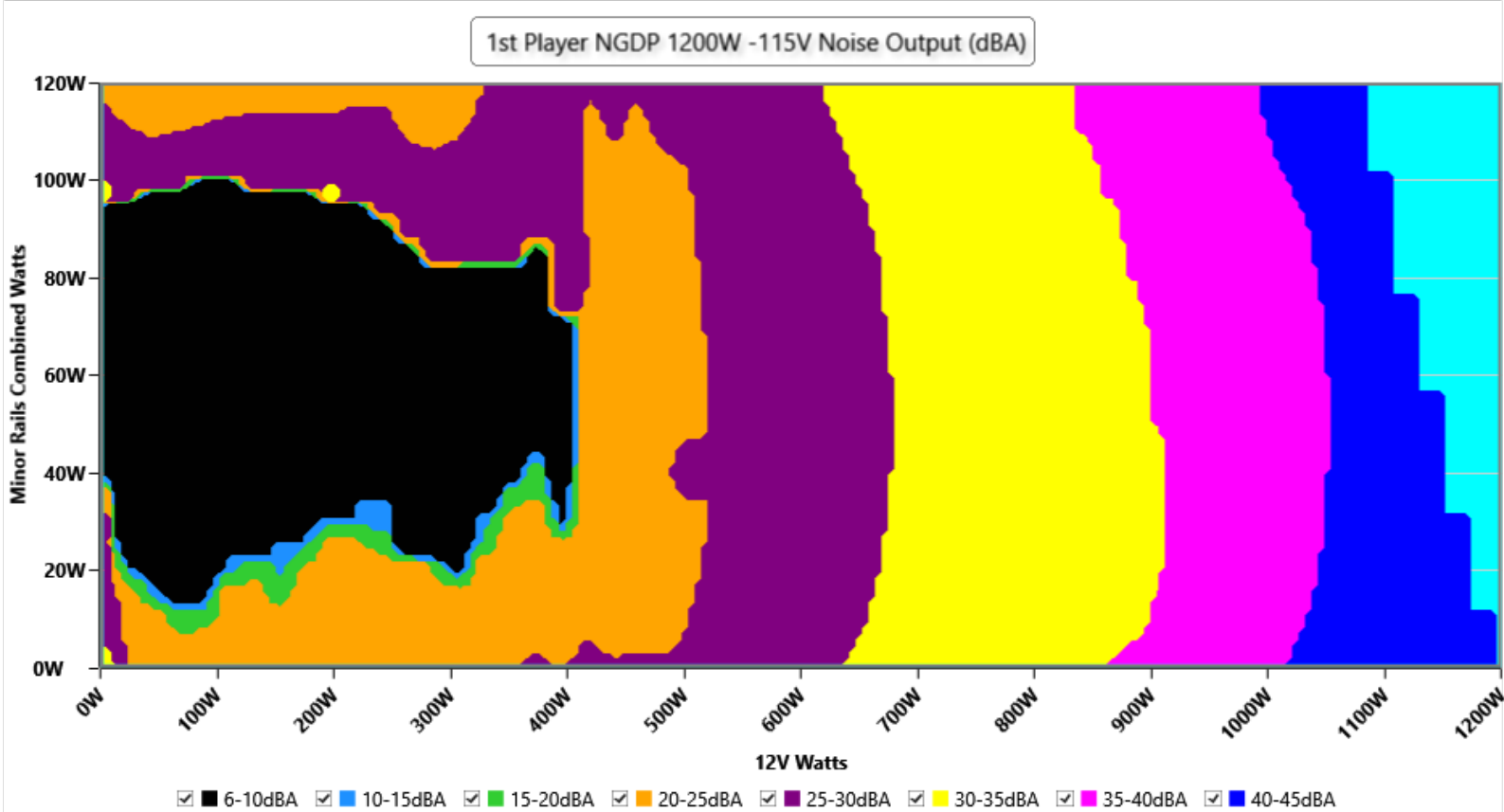


INFO

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

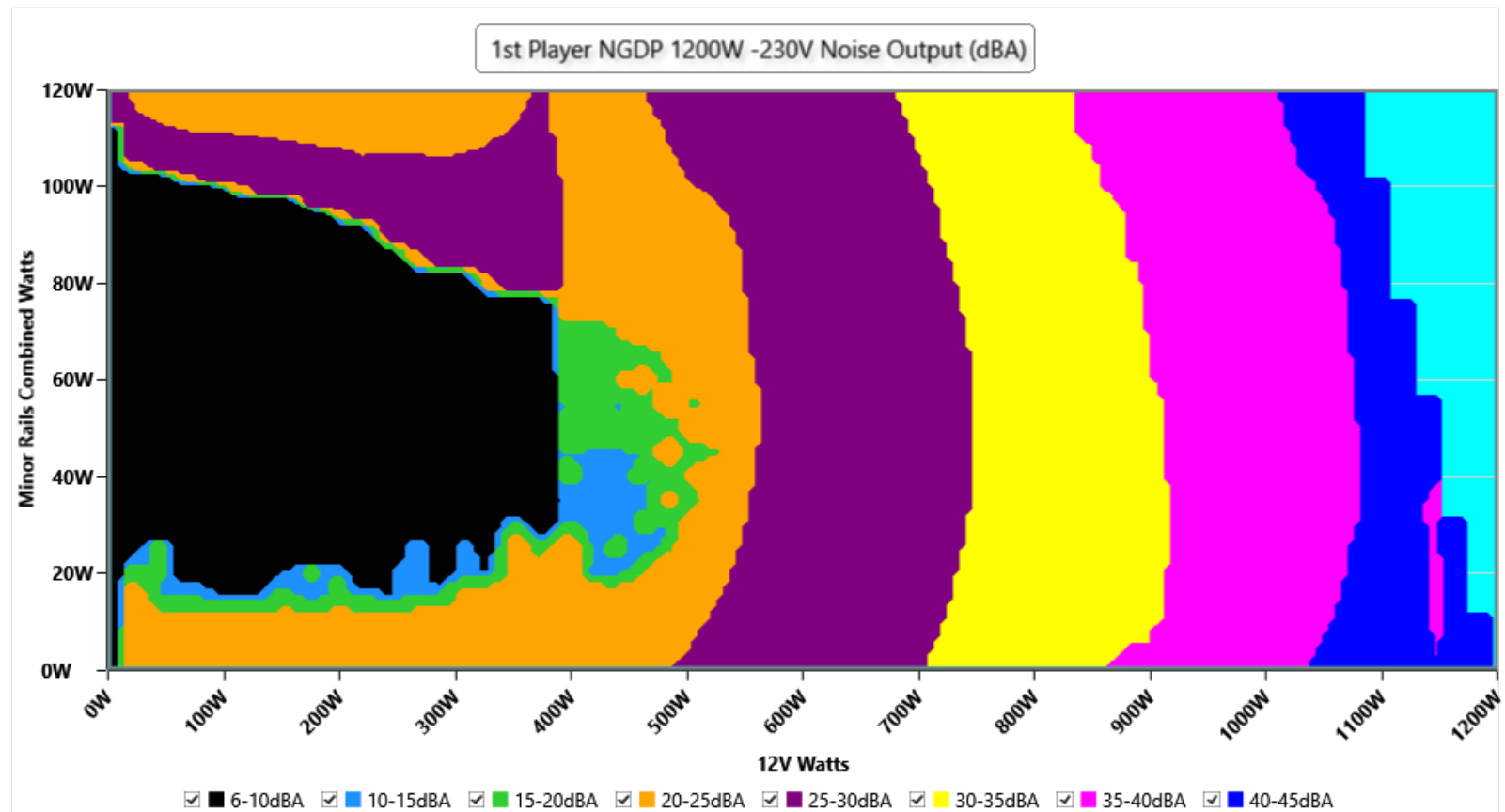
Noise Graph

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

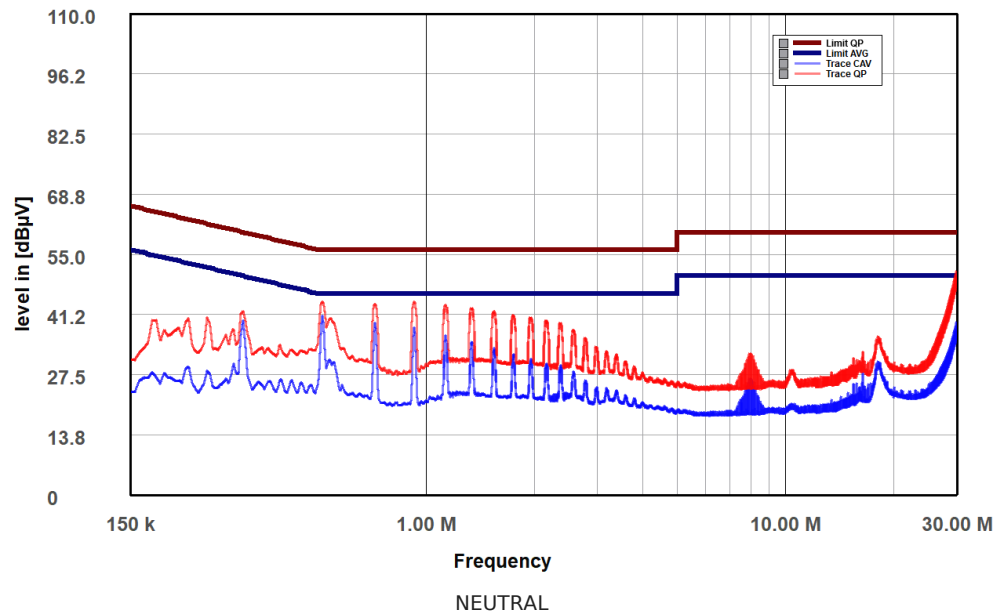


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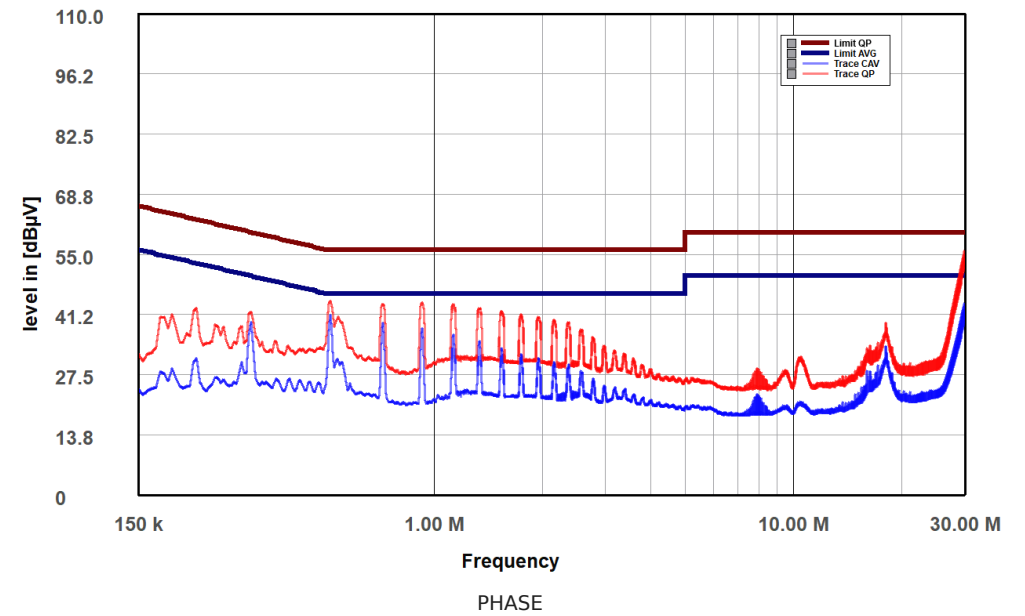
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Conducted Emissions EN 55032 & CISPR 32

1st Player NGDP 1200W (1P12003069) Neutral



1st Player NGDP 1200W (1P12003069) Phase

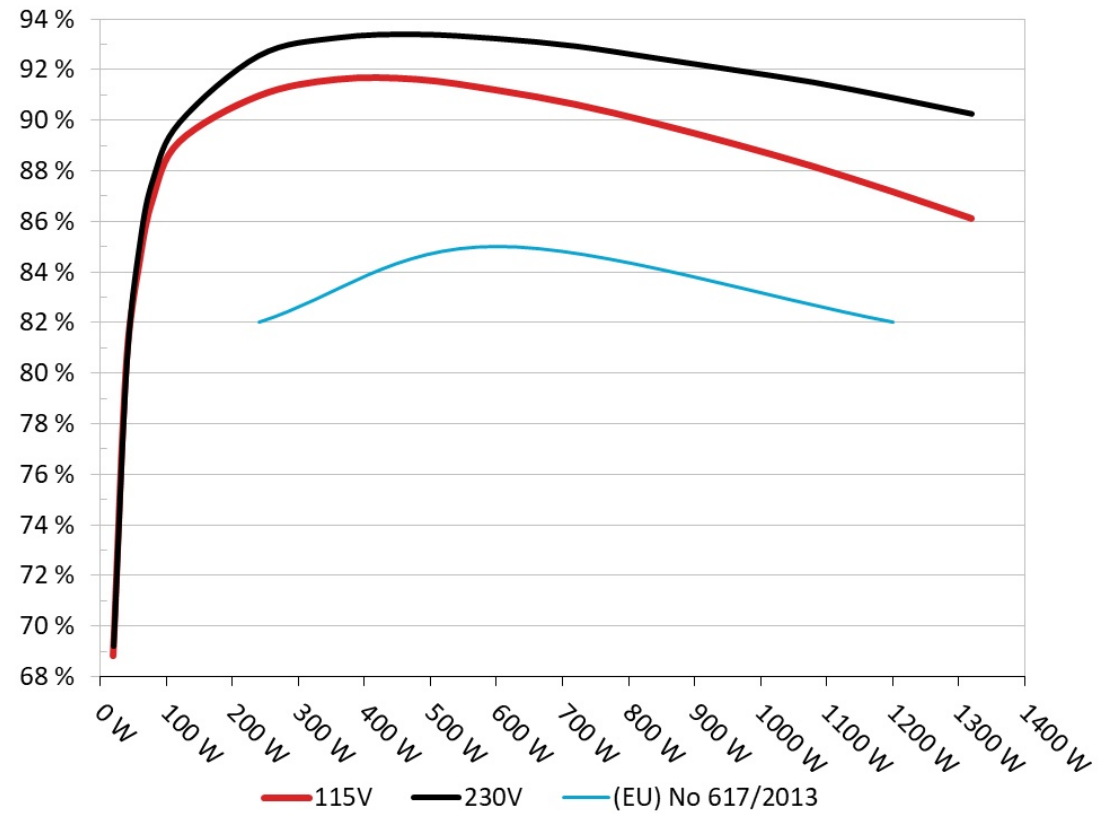


Indicative Performance

Efficiency under high ambient temperature

Efficiency: 1st Player NGDP 1200W

Ambient: 37°C - 47°C (98.6°F - 116.6°F)



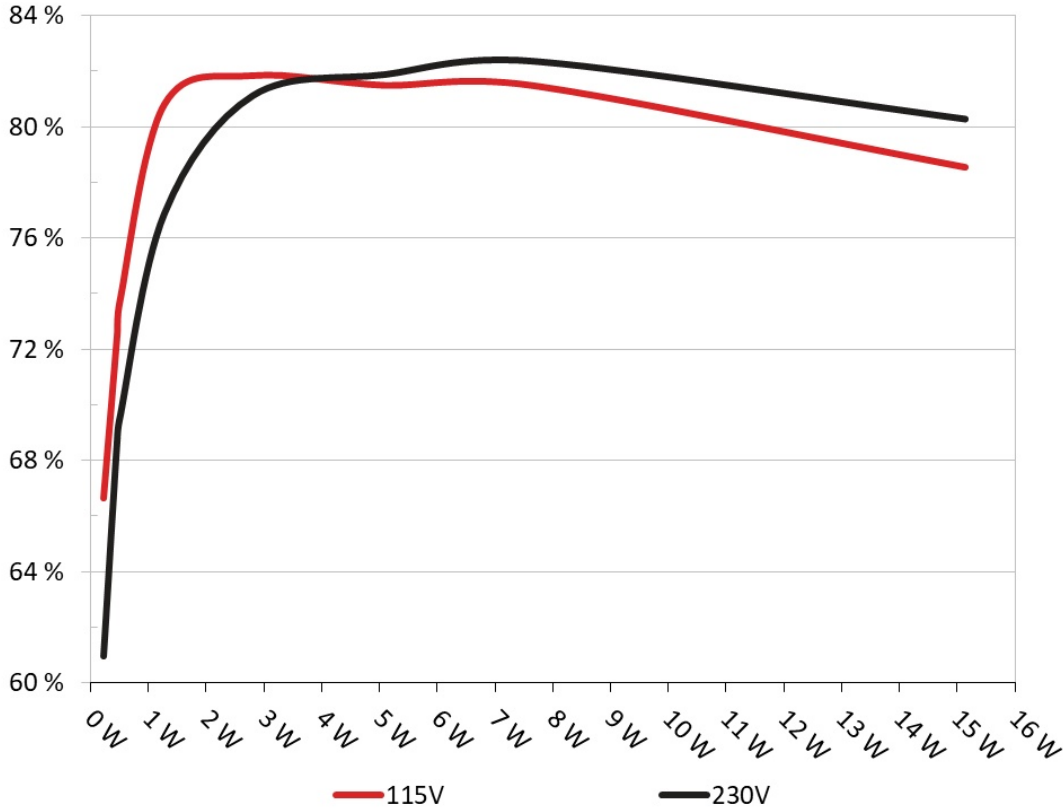
INFO

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: 1st Player NGDP 1200W

Ambient: 25°C - 30°C (77°F - 86°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	0.231W	66.649%	0.053
	5.142V	0.347W		115.12V
2	0.09A	0.463W	72.464%	0.096
	5.14V	0.639W		115.1V
3	0.55A	2.819W	81.854%	0.365
	5.126V	3.444W		115.09V
4	1A	5.112W	81.503%	0.472
	5.112V	6.272W		115.09V
5	1.5A	7.645W	81.499%	0.527
	5.096V	9.38W		115.08V
6	3A	15.148W	78.557%	0.589
	5.049V	19.283W		115.08V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.232W	60.971%	0.018
	5.142V	0.381W		230.27V
2	0.09A	0.463W	68.624%	0.032
	5.14V	0.675W		230.28V
3	0.55A	2.819W	81.14%	0.154
	5.126V	3.474W		230.27V
4	1A	5.112W	81.897%	0.245
	5.112V	6.242W		230.27V
5	1.5A	7.645W	82.376%	0.317
	5.096V	9.281W		230.27V
6	3A	15.148W	80.292%	0.432
	5.049V	18.866W		230.27V

Protection Features

OCP (Normal @ 29.5°C)	12V: 130.80A (130.80%), 12.096V 5V: 26.8A (134.00%), 4.954V 3.3V: 28.2A (141.00%), 3.369V 5VSB: 3.9A (130.00%), 5.013V
OCP (Hot @ 44.6°C)	12V: 124.00A (124.00%), 12.108V 5V: 26.8A (134.00%), 4.957V 3.3V: 28A (140.00%), 3.371V 5VSB: 3.9A (130.00%), 5.007V
OPP (Normal @ 29.1°C)	1656.04W (138.00%)
OPP (Hot @ 45.6°C)	1501.05W (125.09%)
OTP	✓ (130°C @ 12V Heatsink)
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%	8.104A	2.003A	1.967A	0.98A	119.983	89.168%	0	<6.0	41.26°C	0.974
	12.141V	4.993V	3.356V	5.101V	134.559				40.37°C	115.06V
20%	17.222A	3.009A	2.953A	1.18A	239.939	90.98%	996	24	40.72°C	0.985
	12.138V	4.986V	3.352V	5.084V	263.728				44.13°C	115.02V
30%	26.625A	3.514A	3.449A	1.381A	359.145	91.635%	1040	24.8	41.06°C	0.991
	12.134V	4.981V	3.348V	5.068V	391.925				45.52°C	114.98V
40%	36.129A	4.02A	3.946A	1.584A	479.527	91.637%	1155	28.5	41.92°C	0.994
	12.132V	4.976V	3.345V	5.052V	523.291				48.53°C	114.94V
50%	45.235A	5.029A	4.934A	1.788A	599.264	91.215%	1353	33	42.16°C	0.995
	12.131V	4.972V	3.344V	5.034V	656.984				51.74°C	114.9V
60%	54.411A	6.041A	5.923A	1.993A	719.797	90.648%	1660	38.4	42.77°C	0.995
	12.130V	4.967V	3.343V	5.017V	794.048				54.27°C	114.85V
70%	63.529A	7.056A	6.91A	2.2A	839.525	89.91%	1801	40.8	43.24°C	0.996
	12.127V	4.961V	3.343V	4.999V	933.737				57.16°C	114.81V
80%	72.712A	8.07A	7.896A	2.307A	959.503	89.09%	1977	43	43.66°C	0.996
	12.125V	4.956V	3.343V	4.985V	1077.013				60.55°C	114.76V
90%	82.224A	8.582A	8.382A	2.414A	1079.312	88.2%	2139	44.7	44.53°C	0.996
	12.123V	4.952V	3.34V	4.972V	1223.716				64.41°C	114.72V
100%	91.543A	9.094A	8.899A	3.037A	1199.329	87.206%	2144	44.8	45.98°C	0.992
	12.121V	4.948V	3.337V	4.94V	1375.288				70.88°C	114.68V
110%	100.819A	10.117A	9.983A	3.044A	1319.937	86.139%	2145	44.8	46.33°C	0.982
	12.117V	4.942V	3.335V	4.929V	1532.348				74.94°C	114.73V
CL1	0.116A	14.524A	14.027A	0A	121.301	83.501%	1385	33.3	41.09°C	0.972
	12.144V	4.971V	3.4V	5.111V	145.27				54.36°C	115.05V

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	20.115A	0A	0A	101.373	81.449%	1197	29.2	40.36°C	0.974
	12.145V	4.97V	3.347V	5.123V	124.463				49.21°C	115.05V
CL3	0.114A	0A	19.35A	0A	67.386	78.321%	1162	28.6	40.28°C	0.965
	12.140V	4.991V	3.411V	5.119V	86.042				45.57°C	115.06V
CL4	99.026A	0A	0A	0A	1199.901	87.999%	2143	44.7	45.9°C	0.996
	12.117V	4.964V	3.307V	5.058V	1363.55				66.11°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%	8.104A	2.004A	1.967A	0.98A	119.994	89.924%	1079	26.2	40.3°C	0.927
	12.142V	4.991V	3.355V	5.1V	133.442				43.61°C	230.29V
20%	17.223A	3.01A	2.955A	1.181A	239.953	92.554%	1038	24.8	40.51°C	0.969
	12.138V	4.984V	3.351V	5.082V	259.255				43.48°C	230.27V
30%	26.629A	3.515A	3.451A	1.382A	359.185	93.263%	1090	26.8	41.35°C	0.979
	12.135V	4.979V	3.347V	5.067V	385.134				43.82°C	230.24V
40%	36.130A	4.021A	3.948A	1.584A	479.561	93.397%	1183	28.9	41.92°C	0.984
	12.133V	4.975V	3.344V	5.05V	513.467				45.38°C	230.23V
50%	45.241A	5.032A	4.938A	1.788A	599.292	93.232%	1324	32.1	42.47°C	0.987
	12.130V	4.97V	3.341V	5.033V	642.795				47.8°C	230.2V
60%	54.416A	6.044A	5.93A	1.994A	719.818	92.931%	1651	38.4	42.75°C	0.988
	12.129V	4.965V	3.34V	5.016V	774.57				49.98°C	230.18V
70%	63.532A	7.059A	6.923A	2.201A	839.539	92.464%	1775	40.2	43.26°C	0.989
	12.126V	4.96V	3.337V	4.998V	907.957				51.69°C	230.17V
80%	72.717A	8.074A	7.916A	2.308A	959.513	91.991%	1930	42.2	43.68°C	0.99
	12.124V	4.953V	3.335V	4.984V	1043.045				53.61°C	230.15V
90%	82.230A	8.587A	8.404A	2.414A	1079.312	91.504%	2110	44.7	44.47°C	0.991
	12.122V	4.949V	3.332V	4.971V	1179.539				55.75°C	230.13V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	91.549A	9.1A	8.923A	3.037A	1199.328	90.9%	2141	44.7	45.95°C	0.992
	12.121V	4.945V	3.328V	4.939V	1319.384				58.85°C	230.11V
110%	100.803A	10.122A	10.007A	3.044A	1319.934	90.255%	2149	44.8	46.65°C	0.993
	12.119V	4.939V	3.327V	4.927V	1462.456				62.85°C	230.09V
CL1	0.115A	14.534A	14.073A	0A	121.295	84.745%	1293	31.6	40.96°C	0.935
	12.141V	4.968V	3.389V	5.112V	143.131				48.41°C	230.28V
CL2	0.114A	20.133A	0A	0A	101.368	82.767%	1143	28.1	40.62°C	0.919
	12.143V	4.966V	3.347V	5.123V	122.474				45.23°C	230.29V
CL3	0.114A	0A	19.379A	0A	67.383	78.675%	1140	28	38.73°C	0.872
	12.139V	4.99V	3.406V	5.119V	85.646				43.49°C	230.29V
CL4	99.008A	0A	0A	0A	1199.89	91.446%	2145	44.8	45.24°C	0.992
	12.119V	4.963V	3.306V	5.057V	1312.136				57.3°C	230.11V

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	1.222A	0.5A	0.492A	0.195A	19.998	68.851%	0	<6.0	38.98°C	0.865
	12.142V	4.996V	3.355V	5.135V	29.049				36.67°C	115.1V
40W	2.692A	0.701A	0.689A	0.292A	39.996	80.395%	0	<6.0	39.81°C	0.93
	12.142V	4.996V	3.355V	5.13V	49.75				37.17°C	115.09V
60W	4.162A	0.901A	0.885A	0.39A	59.995	84.44%	0	<6.0	39.08°C	0.947
	12.142V	4.996V	3.355V	5.126V	71.05				38.78°C	115.08V
80W	5.626A	1.101A	1.082A	0.488A	79.933	86.913%	0	<6.0	39.03°C	0.962
	12.142V	4.995V	3.355V	5.121V	91.967				39.05°C	115.07V

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	1.224A	0.501A	0.492A	0.195A	20.007	69.213%	0	<6.0	39.86°C	0.55
	12.144V	4.995V	3.354V	5.134V	28.911				36.68°C	230.29V
40W	2.694A	0.701A	0.689A	0.292A	40	80.406%	0	<6.0	38.88°C	0.74
	12.136V	4.992V	3.35V	5.13V	49.748				37.95°C	230.29V
60W	4.162A	0.901A	0.886A	0.39A	60.001	85.172%	0	<6.0	38.19°C	0.834
	12.139V	4.993V	3.352V	5.125V	70.448				38.09°C	230.29V
80W	5.627A	1.102A	1.082A	0.488A	79.943	87.69%	0	<6.0	40.1°C	0.882
	12.140V	4.993V	3.353V	5.12V	91.165				39.23°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	22.38mV	13.34mV	13.14mV	13.06mV	Pass
20% Load	21.24mV	13.24mV	13.86mV	12.91mV	Pass
30% Load	21.66mV	13.08mV	13.50mV	13.11mV	Pass
40% Load	22.58mV	13.45mV	13.81mV	14.04mV	Pass
50% Load	22.94mV	13.60mV	14.89mV	14.19mV	Pass
60% Load	25.00mV	14.11mV	15.36mV	14.97mV	Pass
70% Load	25.68mV	14.89mV	15.72mV	15.69mV	Pass
80% Load	27.94mV	15.15mV	16.81mV	15.80mV	Pass
90% Load	32.02mV	23.55mV	25.91mV	18.89mV	Pass
100% Load	32.18mV	24.08mV	24.13mV	19.16mV	Pass
110% Load	33.62mV	25.96mV	29.74mV	21.33mV	Pass
Crossload1	21.97mV	15.78mV	16.36mV	33.14mV	Pass
Crossload2	22.79mV	17.62mV	13.29mV	34.94mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	21.50mV	12.88mV	14.74mV	34.74mV	Pass
Crossload4	30.13mV	13.78mV	16.80mV	33.52mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	23.30mV	13.81mV	14.38mV	12.75mV	Pass
20% Load	22.27mV	14.27mV	14.12mV	12.59mV	Pass
30% Load	22.53mV	13.91mV	14.58mV	13.21mV	Pass
40% Load	23.10mV	14.27mV	14.69mV	14.09mV	Pass
50% Load	23.98mV	14.94mV	15.62mV	14.35mV	Pass
60% Load	25.21mV	15.15mV	15.87mV	14.66mV	Pass
70% Load	26.61mV	15.04mV	16.03mV	14.61mV	Pass
80% Load	28.46mV	16.38mV	17.43mV	14.76mV	Pass
90% Load	30.42mV	16.28mV	18.41mV	15.17mV	Pass
100% Load	30.97mV	16.63mV	18.67mV	17.48mV	Pass
110% Load	32.56mV	17.37mV	19.71mV	17.33mV	Pass
Crossload1	21.76mV	16.60mV	16.93mV	33.55mV	Pass
Crossload2	23.15mV	18.19mV	14.43mV	34.27mV	Pass
Crossload3	21.45mV	13.75mV	15.62mV	34.89mV	Pass
Crossload4	30.73mV	15.10mV	15.98mV	32.55mV	Pass

The results above are not used in the certification process

1st Player NGDP 1200W



Top side



Power specifications label



Fan



PSU Internals

Cybenetics bietet freiwillige Zertifizierungsprogramme für Netzteile – ETA für Effizienz, LAMBDA für Lautstärke und SAFE für Sicherheit und korrekten Betrieb – sowie für Kühlprodukte mit DELTA für die Schalldämmung von Gehäusen und PHI für Luftstrom und statischen Druck von Lüftern

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