Sharkoon Rebel P20 Gen2 1000

Serial Number -

Lab ID SK10003137

Certification ID 263137

Test Result Report ID: 26PS3137A

Certificate Issue Date: Jan 26, 2026

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	Sharkoon
Model	Rebel P20 Gen2 1000
OEM/ODM	Andyson
Serial Number	-
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	6-12

Rated Frequency (Hz)	50-60
Rated Power (W)	1000
Operating Temperature (Continuous Full Load) (°C)	0 - 50
Type	ATX12V
Cable Design	Fully Modular
Warranty	No Info
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 140mm
Weight	1.40 kg (3.09 lb)
Cooling	120mm Sleeve Bearing Fan (PY-1225H12S)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	SK10003137
Date of receipt	Dec 17, 2025
Testing Date	Jan 21, 2026
Report Issued Date	Jan 26, 2026
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 (600mm)	1	1	18-22AWG	Tinned Copper
4+4 pin EPS12V (700mm)	2	2	18AWG	Tinned Copper
6+2 pin PCIe (600mm)	3	3	18AWG	Tinned Copper
12+4 pin PCIe (600mm) (600W)	1	1	16-24AWG	Tinned Copper
SATA (500mm+150mm+150mm+150mm)	1	4	18AWG	Tinned Copper
SATA (500mm+150mm+150mm) / 4-pin Molex (+150mm)	1	3 / 1	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	-12V
Max. Power	Amps	18	18	83.3	3	0.3
	Watts	100		999.6	15	3.6
Total Max. Power (W)		1000				

Parts Description

General Data	
Manufacturer (OEM)	Andyson
PCB Type	Double Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	NTC Thermistor SCK-056 (5 Ohm @ 25°C) & Relay
Bridge Rectifier(s)	2x GBU2510 (700V, 25A @ 100°C)
APFC MOSFETs	2x Perfect PWE120N65SFMF (650V, 20A @ 100°C, Rds(on): 0.12 Ohm)
APFC Boost Diode	1x Global Power Technology G4S06508AT (650V, 8A @ 153°C)
Bulk Cap(s)	1x Nippon Chemi-Con (400V, 820uF, 2000h @ 105°C, KMQ)
Main Switchers	2x Perfect PWE120N65SFMF (650V, 20A @ 100°C, Rds(on): 0.12 Ohm)
APFC Controller	Champion CM6500UNX & Champion CM03X (reducing no load consumption)
Resonant Controller	Champion CU6901VPA

Topology	Primary side: APFC, Half-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	8x Perfect PWC012N04ES (40V, 132A @ 100°C, Rds(on): 1.2mOhm)
5V & 3.3V	DC-DC Converters: 2x Wayon B150N03S (30V, 95A @ 100°C, Rds(on): 2.3 mOhm) 2x Wayon WMO190N03TS (30V, 120A @ 100°C, Rds(on): 2.6 mOhm) PWM Controller(s): 2x ANPEC APW7164
Filtering Capacitors	Electrolytic: 2x Rubycon (6000-10000 @ 105°C, ZLH), 1x Rubycon (3000-6000 @ 105°C, YXS), 8x Rubycon (4000-10,000 @ 105°C, YXJ), Polymer: 19x PolyCap, 2x Teapo (FG)
Supervisor IC	EST.7630FS (OCP, OTP, OVP, UVP, SCP, PG)
Fan Power Transistor	NXP PBSS5350X
Fan Model	POWERYEAR PY-1225H12S (120mm, 12V, 0.35A)
5VSB/12VSB Circuit	
Rectifier	Vishay SS10P60L
Standby PWM Controller	Sanken Electric STR-A6069H

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)	88.349%
Average Noise Output (>1450 Load Combinations)	39.26dBA
Average PF (>1450 Load Combinations)	0.980
Efficiency With 10W (≤500W) or 2% (>500W) Load	65.051%
Standby Power Consumption	0.1004W
Non-Accredited	
12V Ripple (Full Load)	32.01mV
5V Ripple (Full Load)	14.68mV
3.3V Ripple (Full Load)	11.11mV
5VSB Ripple (Full Load)	26.76mV
12V Load Regulation	1.22%
5V Load Regulation	2.82%
3.3V Load Regulation	4.08%
5VSB Load Regulation	5.84%
Inrush Current	22.320A

230V

Accredited	
Average Efficiency (>1450 load combinations)	90.624%
Average Noise Output (>1450 Load Combinations)	39.27dBA
Average PF (>1450 Load Combinations)	0.941
Efficiency With 10W (≤500W) or 2% (>500W) Load	65.779%
Standby Power Consumption	0.1458W
Non-Accredited	
12V Ripple (Full Load)	35.68mV
5V Ripple (Full Load)	13.87mV
3.3V Ripple (Full Load)	11.52mV

5VSB Ripple (Full Load)		20.93mV
12V Load Regulation		1.23%
5V Load Regulation		2.84%
3.3V Load Regulation		4.08%
5VSB Load Regulation		5.76%
Inrush Current		50.980A
12V Transient Response (200%)		11.67V
5V Transient Response (200%)		4.892V
3.3V Transient Response (200%)		3.256V
5VSB Transient Response (200%)		5.004V
Hold-Up Time & PWR_OK Signal		17.70ms
AC Loss to PWR_OK Hold Up Time		15.70ms
PWR_OK Inactive to DC Loss Delay		2.00ms
PSU Timings: T1 (20% / 100%)	56.0ms	53.0ms
PSU Timings: T3 (20% / 100%)	110.0ms	111.0ms
12V OCP (30.0°C / 43.2°C)	114.20A (137.09%), 12.099V	105.80A (127.01%), 12.109V
5V OCP (30.0°C / 43.2°C)	22A (122.22%), 5.004V	23.9A (132.78%), 5.001V
3.3V OCP (30.0°C / 43.2°C)	22.7A (126.11%), 3.369V	22.2A (123.33%), 3.377V
5VSB OCP (30.0°C / 43.2°C)	4.7A (156.67%), 4.957V	4.6A (153.33%), 4.953V
OPP (28.21°C / 41.48°C)	139.17%	126.16%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	17.7
AC Loss to PWR_OK Hold Up Time (ms)	15.7
PWR_OK Inactive to DC Loss Delay (ms)	2

Vampire Power

Tables

115V

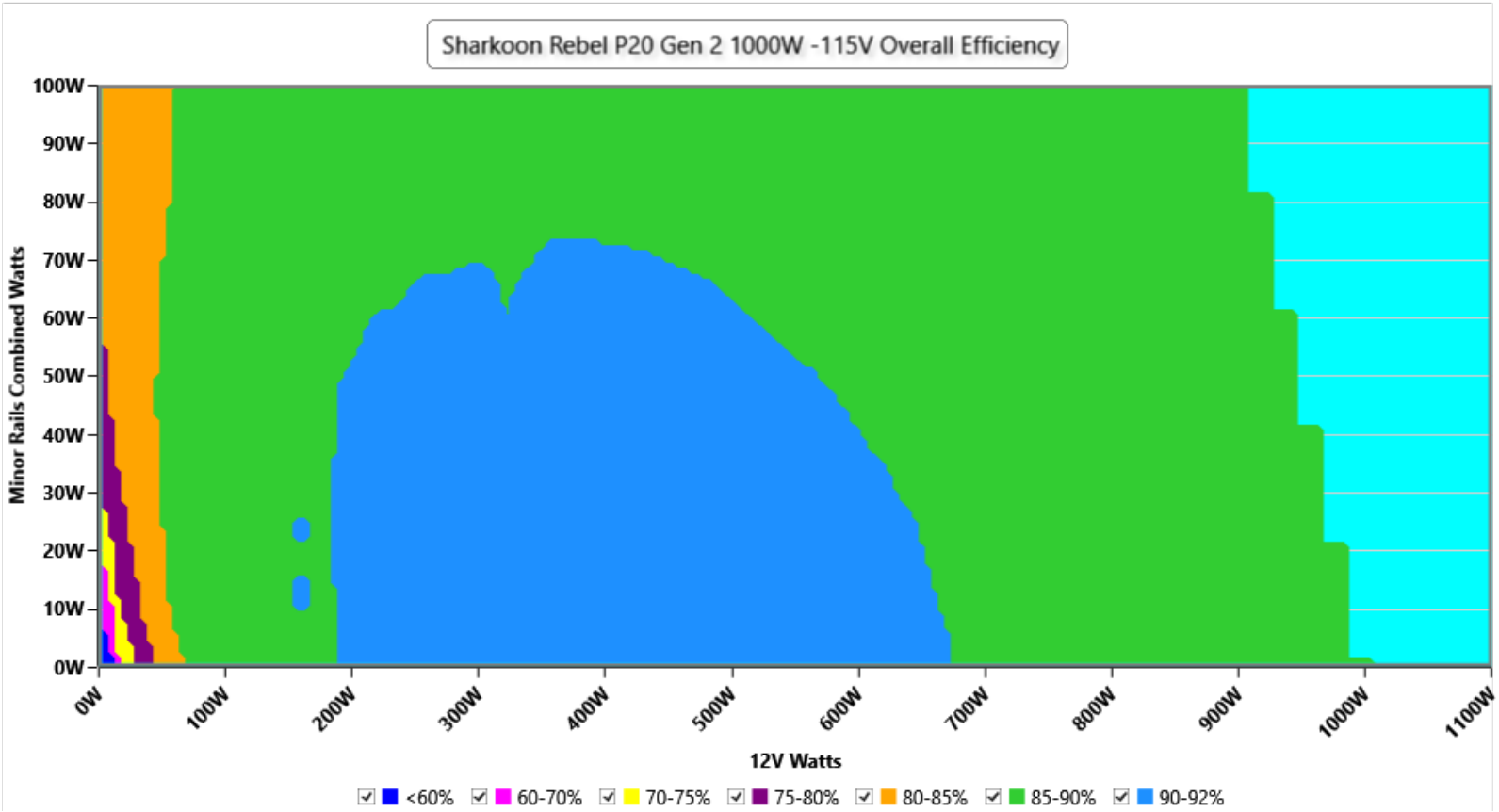
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.06 V	115.03 V	113.85 V	115.10 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.13 %	0.11 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.100 W	-0.007 W	N/A	0.162 W	N/A	N/A
Apparent Power:	8.149 W	8.122 W	N/A	8.175 W	N/A	N/A
Power Factor:	0.014	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.08 V	230.09 V	227.70 V	230.13 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:	0.146 W	0.101 W	N/A	0.196 W	N/A	N/A
Apparent Power:	26.400 W	26.363 W	N/A	26.433 W	N/A	N/A
Power Factor:	0.006	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

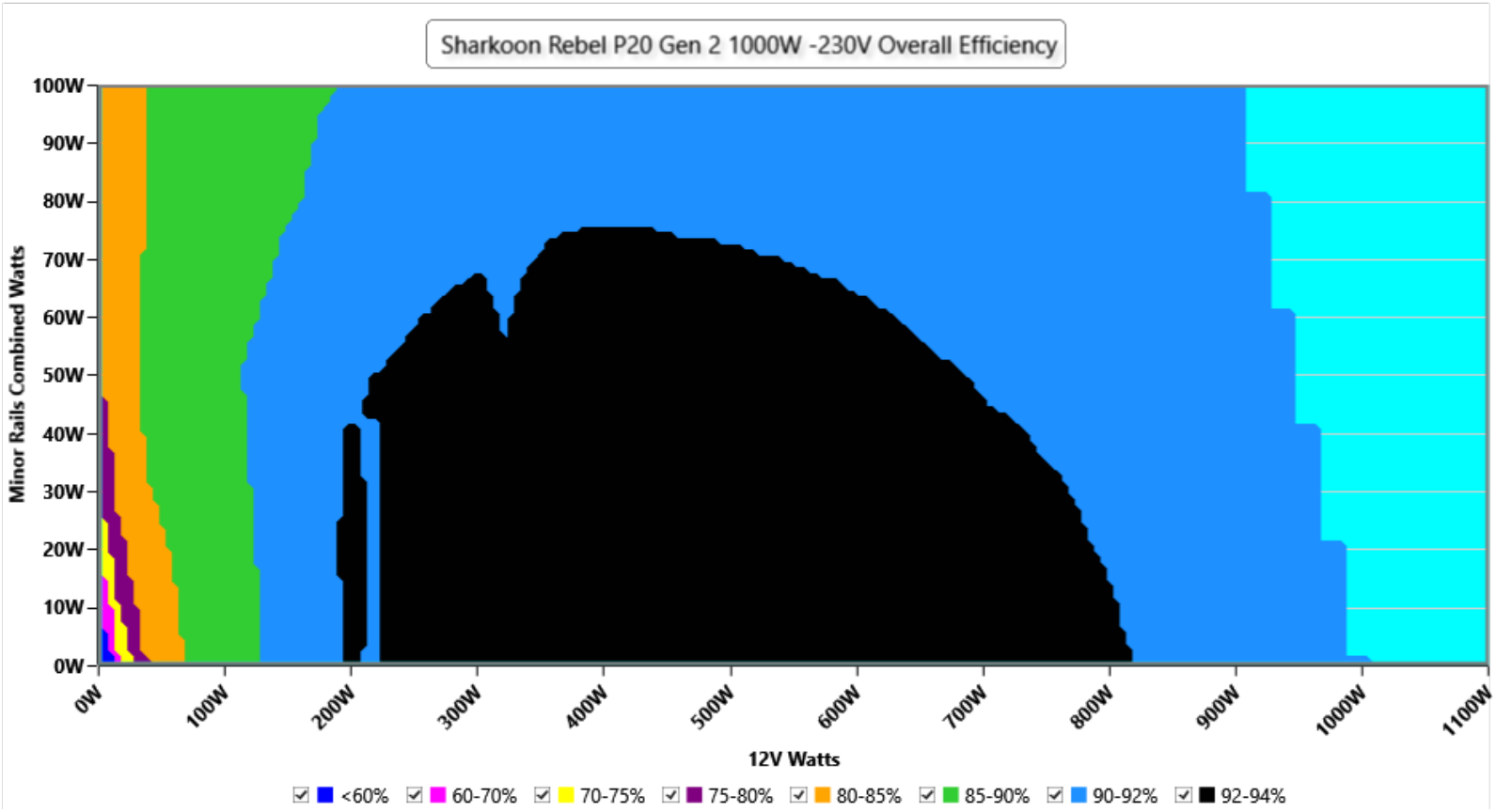
115V



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

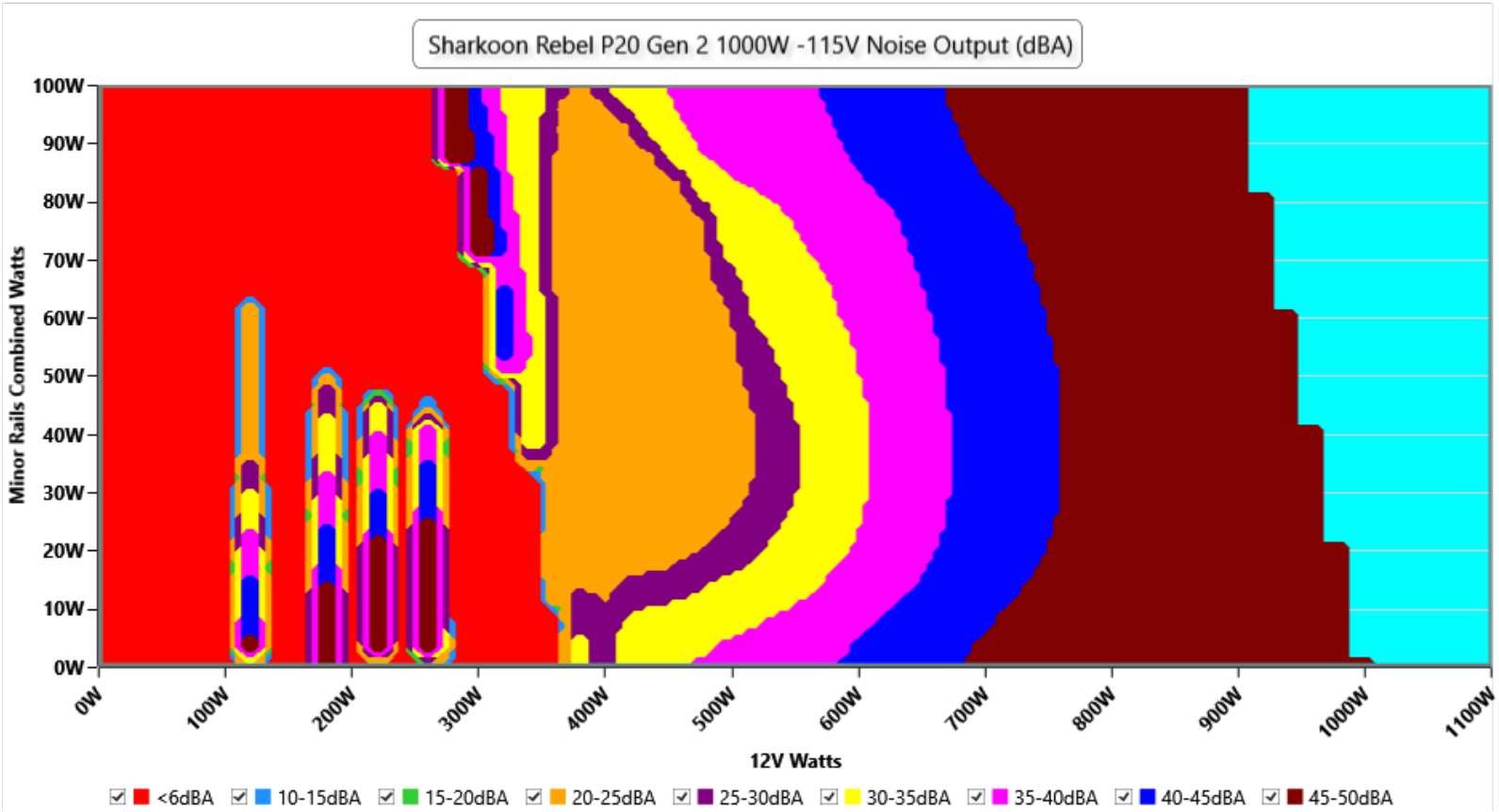


INFO

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

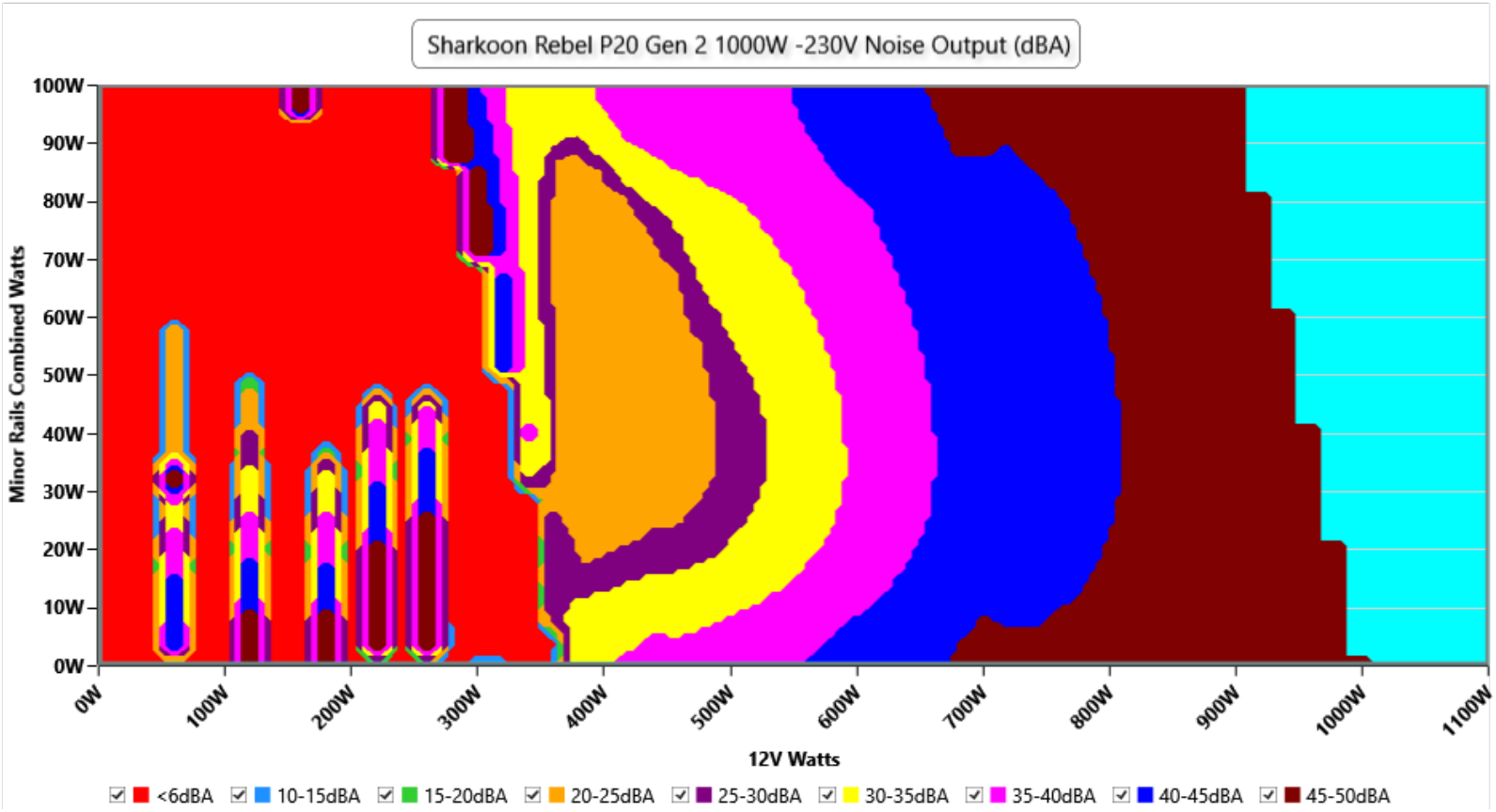
115V



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

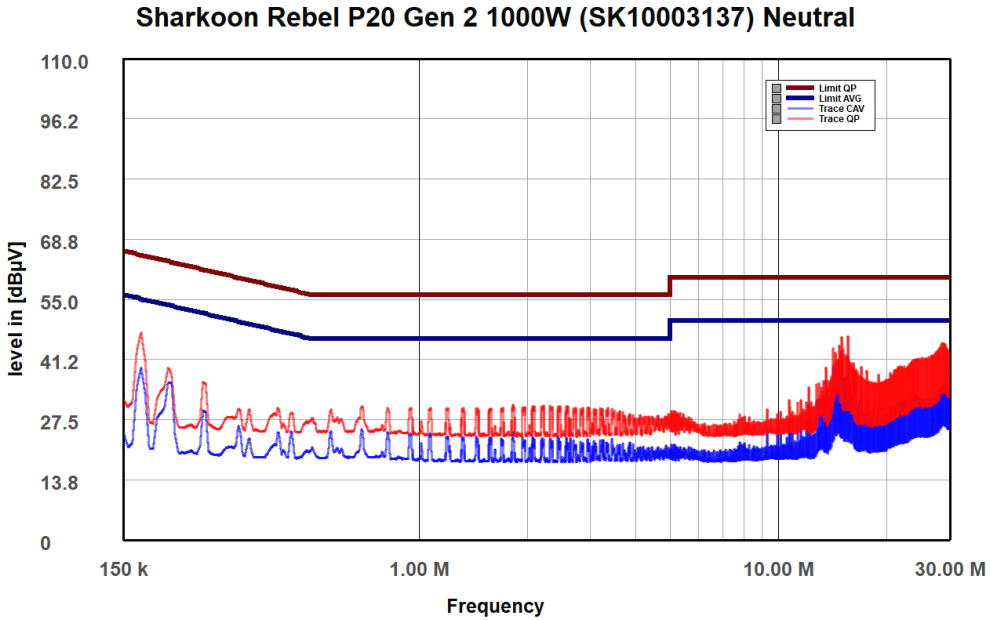
230V



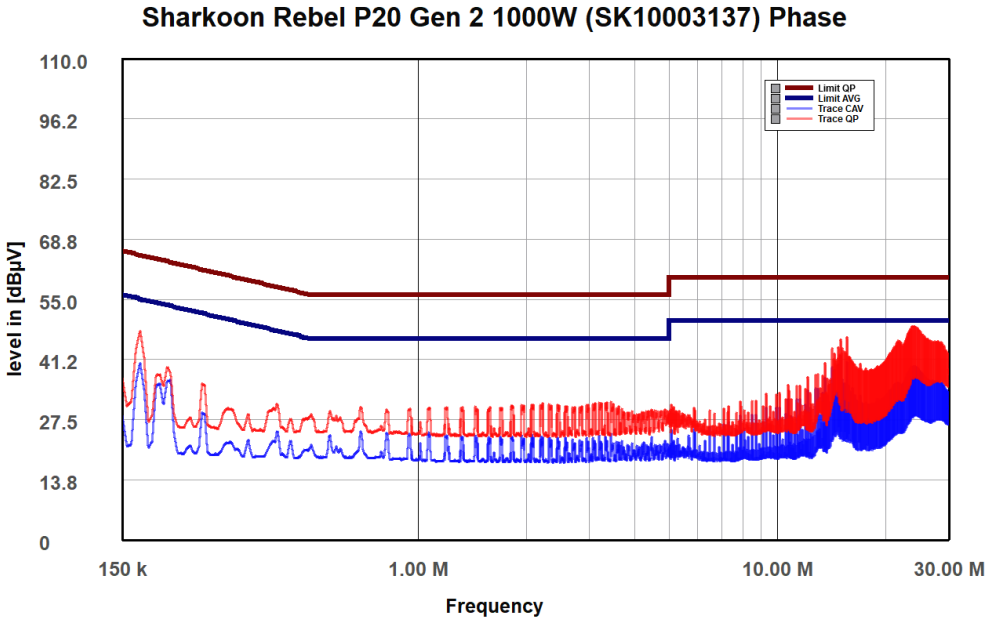
INFO

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

Conducted Emissions EN 55032 & CISPR 32



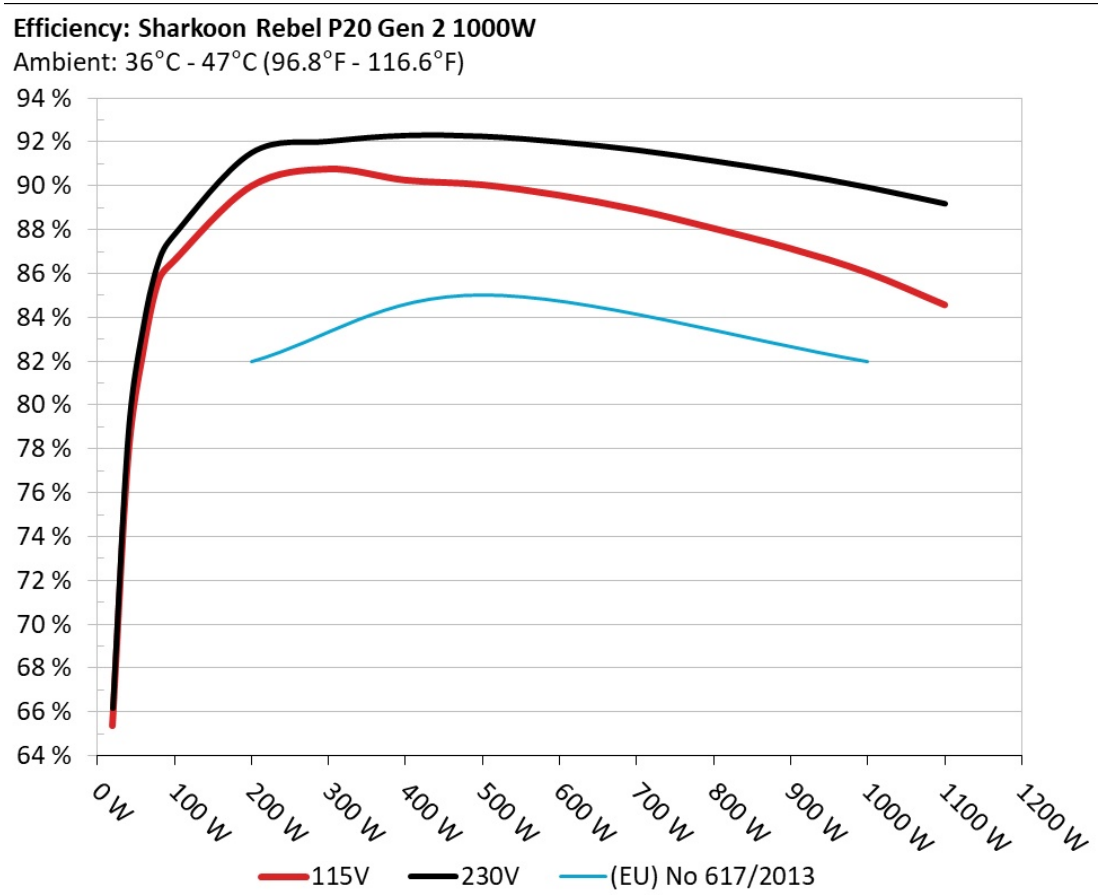
NEUTRAL



PHASE

Indicative Performance

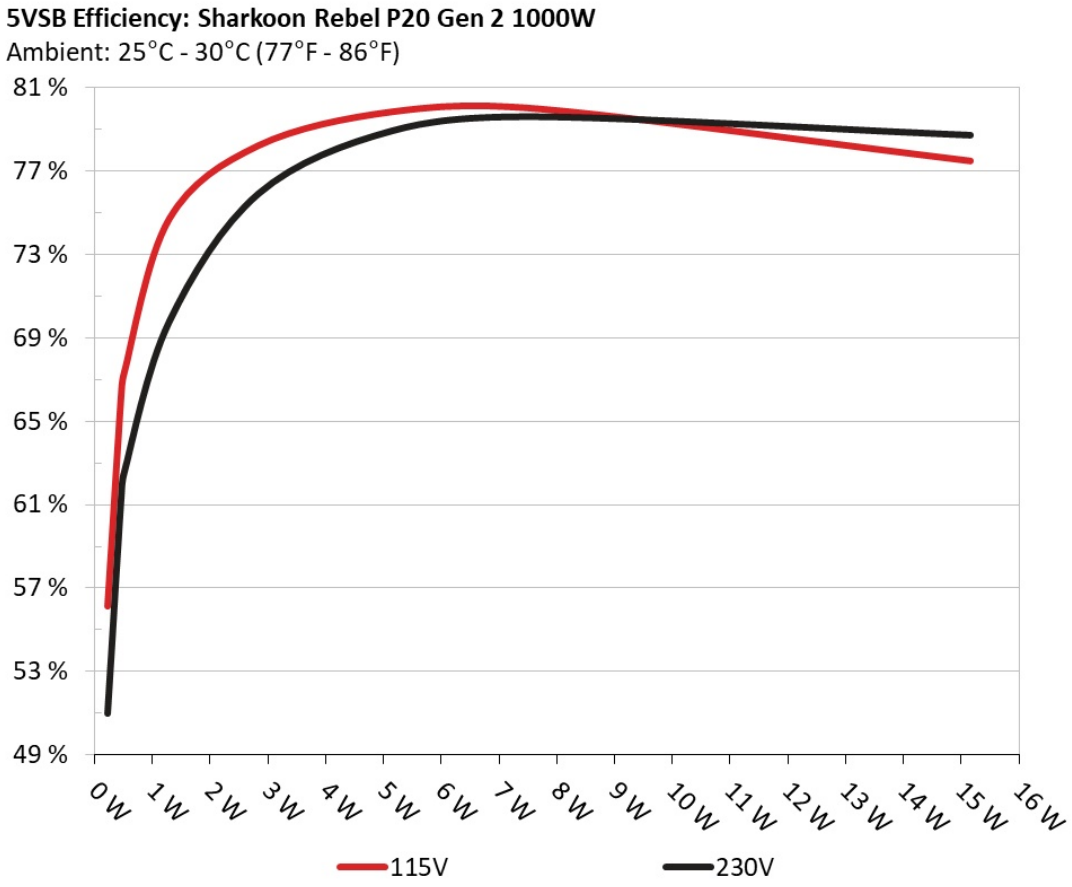
Efficiency under high ambient temperature



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**	0.234W	56.13%	0.053
	5.198V	0.417W		114.99V
2	**0.09A**	0.468W	66.222%	0.088
	5.196V	0.707W		114.99V
3	**0.55A**	2.846W	78.197%	0.317
	5.174V	3.639W		114.98V
4	**1A**	5.154W	79.813%	0.404
	5.152V	6.457W		114.98V
5	**1.5A**	7.694W	79.955%	0.447
	5.128V	9.623W		114.97V
6	**3A**	15.162W	77.463%	0.504
	5.053V	19.573W		114.97V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.234W	50.964%	0.018
	5.198V	0.46W		230.1V
2	**0.09A**	0.468W	61.294%	0.029
	5.196V	0.763W		230.1V
3	**0.55A**	2.846W	75.933%	0.134
	5.173V	3.748W		230.11V
4	**1A**	5.153W	78.948%	0.21
	5.152V	6.528W		230.1V
5	**1.5A**	7.693W	79.624%	0.272
	5.127V	9.662W		230.11V
6	**3.001A**	15.161W	78.739%	0.369
	5.053V	19.255W		230.1V

Protection Features

OCP (Normal @ 30.0°C)	12V: 114.20A (137.09%), 12.099V 5V: 22A (122.22%), 5.004V 3.3V: 22.7A (126.11%), 3.369V 5VSB: 4.7A (156.67%), 4.957V
OCP (Hot @ 43.2°C)	12V: 105.80A (127.01%), 12.109V 5V: 23.9A (132.78%), 5.001V 3.3V: 22.2A (123.33%), 3.377V 5VSB: 4.6A (153.33%), 4.953V
OPP (Normal @ 28.2°C)	1391.65W (139.17%)
OPP (Hot @ 41.5°C)	1261.57W (126.16%)
OTP	✓ (82°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%	**6.404A**	**1.977A**	**1.936A**	**0.975A**	100.032	86.592%	0	<6.0	48.78°C	0.961
	12.246V	5.061V	3.409V	5.131V	115.523				40.35°C	114.92V
20%	**13.820A**	**2.973A**	**2.915A**	**1.175A**	199.994	89.987%	0	<6.0	53.1°C	0.96
	12.235V	5.047V	3.396V	5.107V	222.245				40.79°C	114.9V
30%	**21.600A**	**3.477A**	**3.413A**	**1.377A**	300.055	90.773%	1983	48.8	41.06°C	0.976
	12.223V	5.034V	3.384V	5.083V	330.554				55.35°C	114.87V
40%	**29.381A**	**3.984A**	**3.916A**	**1.581A**	399.909	90.269%	1879	46	41.88°C	0.981
	12.208V	5.022V	3.372V	5.062V	443.024				49.93°C	114.85V
50%	**36.837A**	**4.994A**	**4.913A**	**1.787A**	499.625	90.055%	1887	45.9	42.42°C	0.984
	12.192V	5.008V	3.359V	5.038V	554.801				48.6°C	114.83V
60%	**44.381A**	**6.011A**	**5.92A**	**1.995A**	600.178	89.576%	1940	47.8	42.67°C	0.986
	12.175V	4.993V	3.345V	5.014V	670.019				48.05°C	114.8V
70%	**51.878A**	**7.034A**	**6.936A**	**2.205A**	699.924	88.92%	1954	48.3	43.03°C	0.988
	12.160V	4.978V	3.331V	4.989V	787.141				51.65°C	114.77V
80%	**59.463A**	**8.062A**	**7.962A**	**2.316A**	799.949	88.069%	1955	48.3	43.61°C	0.99
	12.142V	4.963V	3.316V	4.966V	908.323				53.57°C	114.74V
90%	**67.395A**	**8.588A**	**8.481A**	**2.426A**	899.743	87.153%	1953	48.2	44.87°C	0.991
	12.126V	4.95V	3.302V	4.947V	1032.374				55.33°C	114.72V
100%	**75.157A**	**9.121A**	**9.037A**	**3.063A**	999.768	86.049%	1953	48.2	45.37°C	0.991
	12.109V	4.935V	3.287V	4.897V	1161.868				57.88°C	114.69V
110%	**82.889A**	**10.168A**	**10.184A**	**3.075A**	1100.394	84.576%	1951	48.2	46.04°C	0.992
	12.089V	4.918V	3.27V	4.879V	1301.078				61°C	114.68V
CL1	**0.116A**	**11.983A**	**11.725A**	**0A**	101.326	78.474%	1922	47.2	42.72°C	0.954
	12.231V	5.025V	3.386V	5.158V	129.119				48.66°C	114.92V

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**	**17.916A**	**0A**	**0A**	91.415	78.437%	1233	34.5	40.29°C	0.958
	12.237V	5.024V	3.399V	5.169V	116.546				45.83°C	114.92V
CL3	**0.115A**	**0A**	**17.524A**	**0A**	60.806	70.415%	1477	38.4	40.11°C	0.981
	12.234V	5.052V	3.39V	5.154V	86.357				44.03°C	114.93V
CL4	**82.499A**	**0A**	**0A**	**0A**	1000.276	87.283%	1965	48.5	45.16°C	0.992
	12.125V	4.971V	3.311V	5.083V	1146.019				53.49°C	114.68V

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%	**6.405A**	**1.977A**	**1.936A**	**0.975A**	100.033	87.798%	0	<6.0	57.46°C	0.876
	12.243V	5.061V	3.409V	5.131V	113.934				40.27°C	230.05V
20%	**13.822A**	**2.973A**	**2.915A**	**1.175A**	199.991	91.529%	0	<6.0	57.87°C	0.925
	12.232V	5.046V	3.396V	5.107V	218.502				40.37°C	230.04V
30%	**21.602A**	**3.477A**	**3.413A**	**1.377A**	300.05	92.049%	1954	48.3	41.29°C	0.937
	12.221V	5.034V	3.384V	5.084V	325.972				54.06°C	230.04V
40%	**29.384A**	**3.984A**	**3.915A**	**1.581A**	399.878	92.313%	1670	42	41.88°C	0.945
	12.206V	5.022V	3.372V	5.063V	433.177				48.52°C	230.03V
50%	**36.840A**	**4.994A**	**4.913A**	**1.786A**	499.59	92.275%	1848	46.3	42.23°C	0.952
	12.190V	5.008V	3.359V	5.039V	541.412				48.24°C	230.02V
60%	**44.385A**	**6.01A**	**5.92A**	**1.995A**	600.14	92.018%	1935	47.6	42.65°C	0.956
	12.173V	4.993V	3.345V	5.015V	652.192				47.45°C	230V
70%	**51.879A**	**7.032A**	**6.936A**	**2.205A**	699.896	91.649%	1951	48.2	43.44°C	0.96
	12.158V	4.979V	3.331V	4.991V	763.669				47.47°C	229.99V
80%	**59.470A**	**8.06A**	**7.962A**	**2.315A**	799.931	91.151%	1958	48.4	43.97°C	0.964
	12.141V	4.963V	3.316V	4.97V	877.59				52.45°C	229.98V
90%	**67.414A**	**8.588A**	**8.481A**	**2.425A**	899.727	90.6%	1954	48.3	44.59°C	0.968
	12.123V	4.949V	3.302V	4.949V	993.075				54.4°C	229.96V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**75.178A**	**9.121A**	**9.037A**	**3.062A**	999.759	89.949%	1953	48.2	45.43°C	0.972
	12.106V	4.934V	3.287V	4.9V	1111.48				55.76°C	229.95V
110%	**82.877A**	**10.167A**	**10.183A**	**3.073A**	1100.386	89.198%	1952	48.2	46.57°C	0.974
	12.091V	4.918V	3.27V	4.882V	1233.651				57.87°C	229.94V
CL1	**0.116A**	**11.982A**	**11.725A**	**0A**	101.326	79.83%	1885	45.8	41.26°C	0.885
	12.231V	5.025V	3.386V	5.158V	126.936				47.17°C	230.05V
CL2	**0.115A**	**17.915A**	**0A**	**0A**	91.414	79.79%	1099	30.4	40.19°C	0.875
	12.235V	5.024V	3.399V	5.17V	114.567				46.01°C	230.05V
CL3	**0.115A**	**0A**	**17.521A**	**0A**	60.804	70.849%	1602	40.8	40.25°C	0.835
	12.234V	5.053V	3.39V	5.169V	85.822				45.67°C	230.06V
CL4	**82.500A**	**0A**	**0A**	**0A**	1000.247	90.972%	1965	48.5	44.58°C	0.971
	12.124V	4.972V	3.311V	5.085V	1099.509				53.49°C	229.97V

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	**1.212A**	**0.493A**	**0.482A**	**0.193A**	20.011	65.379%	0	<6.0	40.13°C	0.891
	12.257V	5.074V	3.421V	5.183V	30.605				36.56°C	114.95V
40W	**2.668A**	**0.69A**	**0.676A**	**0.29A**	40.009	77.477%	0	<6.0	43.38°C	0.943
	12.253V	5.072V	3.419V	5.175V	51.638				37.02°C	114.95V
60W	**4.125A**	**0.888A**	**0.87A**	**0.387A**	60.008	82.492%	0	<6.0	48.22°C	0.961
	12.251V	5.069V	3.416V	5.168V	72.745				38.56°C	114.95V
80W	**5.580A**	**1.086A**	**1.064A**	**0.485A**	79.977	85.7%	0	<6.0	50.01°C	0.978
	12.249V	5.066V	3.413V	5.16V	93.322				39.52°C	114.94V

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	**1.212A**	**0.493A**	**0.482A**	**0.193A**	20.011	66.174%	0	<6.0	57.22°C	0.577
	12.255V	5.074V	3.421V	5.182V	30.241				36.12°C	230.1V
40W	**2.669A**	**0.69A**	**0.676A**	**0.29A**	40.008	78.685%	0	<6.0	53.86°C	0.712
	12.251V	5.072V	3.419V	5.175V	50.845				37.37°C	230.08V
60W	**4.126A**	**0.888A**	**0.87A**	**0.387A**	60.008	83.675%	0	<6.0	50.31°C	0.798
	12.248V	5.069V	3.416V	5.168V	71.712				38.5°C	230.07V
80W	**5.581A**	**1.086A**	**1.064A**	**0.485A**	79.979	86.624%	0	<6.0	47.07°C	0.847
	12.247V	5.066V	3.414V	5.16V	92.328				39.12°C	230.06V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.99mV	9.69mV	5.24mV	9.88mV	Pass
20% Load	15.83mV	10.10mV	5.70mV	10.65mV	Pass
30% Load	17.04mV	9.85mV	5.75mV	10.65mV	Pass
40% Load	18.37mV	10.51mV	5.75mV	11.92mV	Pass
50% Load	18.93mV	10.82mV	6.05mV	13.25mV	Pass
60% Load	21.07mV	11.32mV	6.36mV	14.37mV	Pass
70% Load	21.88mV	11.84mV	6.61mV	16.25mV	Pass
80% Load	23.56mV	12.96mV	10.73mV	17.78mV	Pass
90% Load	28.39mV	14.13mV	11.44mV	21.29mV	Pass
100% Load	32.01mV	14.68mV	11.11mV	26.76mV	Pass
110% Load	43.49mV	15.66mV	11.95mV	28.97mV	Pass
Crossload1	13.90mV	12.93mV	10.91mV	16.69mV	Pass
Crossload2	13.59mV	10.35mV	5.14mV	17.73mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	13.28mV	13.01mV	11.80mV	17.07mV	Pass
Crossload4	31.73mV	10.93mV	6.67mV	23.81mV	Pass

The results above are not used in the certification process

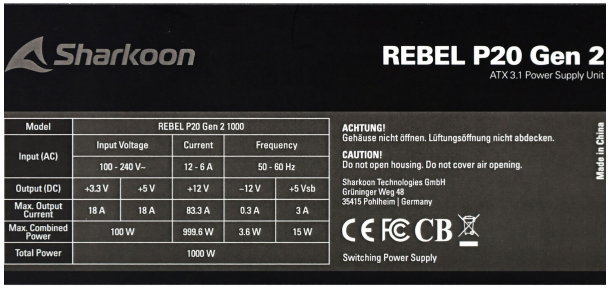
230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	14.09mV	9.49mV	5.14mV	9.48mV	Pass
20% Load	15.72mV	9.49mV	5.54mV	10.34mV	Pass
30% Load	17.51mV	9.69mV	5.95mV	10.90mV	Pass
40% Load	18.16mV	10.15mV	5.95mV	11.31mV	Pass
50% Load	19.24mV	11.88mV	6.15mV	12.38mV	Pass
60% Load	19.79mV	11.33mV	6.05mV	12.74mV	Pass
70% Load	23.36mV	37.24mV	33.87mV	15.03mV	Pass
80% Load	24.98mV	12.55mV	10.93mV	15.84mV	Pass
90% Load	29.87mV	13.62mV	11.34mV	17.83mV	Pass
100% Load	35.68mV	13.87mV	11.52mV	20.93mV	Pass
110% Load	44.97mV	16.53mV	12.01mV	21.05mV	Pass
Crossload1	14.54mV	15.54mV	11.09mV	17.18mV	Pass
Crossload2	14.04mV	10.56mV	5.29mV	16.86mV	Pass
Crossload3	13.48mV	12.70mV	11.95mV	16.76mV	Pass
Crossload4	36.18mV	10.61mV	6.56mV	19.85mV	Pass

The results above are not used in the certification process

Sharkoon Rebel P20 Gen2 1000

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