ASRock Steel Legend SL-1200P

Serial Number -

Lab ID AR12003095

Certification ID 253095

Test Result Report ID: 25PS3095A

Certificate Issue Date: Jan 15, 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	ASRock
Model	Steel Legend SL-1200P
OEM/ODM	HEC
Serial Number	-
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	No Info
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 150mm
Weight	1.86 kg (4.10 lb)
Cooling	135mm Fluid Dynamic Bearing Fan (RL4Z S1352512EH-3M)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	AR12003095
Date of receipt	Dec 1, 2025
Testing Date	Jan 7, 2026
Report Issued Date	Jan 15, 2026
Engineer Name	Georgios Theodoros Sarimpalas
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 24 pin (590mm)	1	1	16-18AWG	Tinned Copper
4+4 pin EPS12V (640mm)	1	1	18AWG	Tinned Copper
8 pin EPS12V (640mm)	1	1	18AWG	Tinned Copper
6+2 pin PCIe (650mm)	2	2	16AWG	Tinned Copper
8 pin PCIe (650mm)	1	1	16AWG	Tinned Copper
12+4 pin PCIe (650mm) (600W)	2	2	16-24AWG	Tinned Copper
SATA (450mm+120mm+120mm+120mm)	2	8	18AWG	Tinned Copper

SATA (450mm) / 4-pin Molex (120mm+120mm+120mm)	1	1 / 3	18AWG	Tinned Copper

Protection Features

Under Voltage Protection	✓
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	25	25	100	3	0.3
	Watts	150		1200	15	3.6
Total Max. Power (W)		1200				

Parts Description

General Data	
Manufacturer (OEM)	HEC
PCB Type	Double-Sided
Primary Side	
Transient Filter	5x Y caps, 3x X caps, 2x CM chokes, 1x MOV, 1x Power Integrations CAP200DG (X capacitor Discharge IC)
Inrush Protection	1x NTC Thermistor SCK205R0 (5 Ohm @25°C) & 1x Relay
Bridge Rectifier	2x GBU25506P (600V, 25A)
APFC MOSFETs	3x Infineon IPA60R080P7 (650V, 23A @ 100°C, Rds(on): 0.08Ohm)
APFC Boost Diode	1x Wolfspeed C6D10065A(650V, 10A @ 155°C)
Bulk Cap(s)	1x RUBYCON (450V, 560µF, 3000h @ 105°C,MXK) 1x RUBYCON (450V, 470µF, 3000h @ 105°C,MXT)

Main Switchers	2x Infineon IPA60R080P7 (650V, 23A @ 100°C, Rds(on): 0.08Ohm)
APFC Controller	1x Champion CM6500UNX & & 1x Champion CM03X
Resonant Controller	1x Champion CU6901VABN
Topology	Primary side: APFC, Half-Bridge & LLC Resonant converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	8x PINGWEI PWC012N04ES (45V, 220A @ 25℃, Rds(on):1.2mOhm)
5V & 3.3V	DC-DC Converters: 5x JSCJ CJAC2R5SN04C (40V, 130A @ 25°C, Rds(on): 2.0mOhm) PWM Controller(s): 1x ANPEC APW7159C
Filtering Capacitors	Electrolytic: 3x Nippon Chemi-Con (16V,3300µF@ 105°C, CST) 2x Nippon Chemi-Con (16V, 2200µF @ 105°C, KZE) Polymer: 8x Nippon Chemi-Con (16V, 1500µF @ 105°C) , 19x Nippon Chemi-con (16V, 270µF @ 105°C)
Supervisor IC	Weltrend WT7527RT (OCP, OVP, UVP, SCP, PG)
Fan Controller / Micro Controller	Nuvoton MS51FB9AE
Fan Model	RL4Z S1352512EH-3M (135mm, 12V, 0.50A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	PINGWEI PWUR1013P (100V,9A)
Standby PWM Controller	Excelliance MOS EM8569D

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)	89.941%
Average Noise Output (>1450 Load Combinations)	21.48dBA
Average PF (>1450 Load Combinations)	0.983
Efficiency With 10W (≤500W) or 2% (>500W) Load	79.182%
Standby Power Consumption	0.0531W
Non-Accredited	
12V Ripple (Full Load)	30.58mV
5V Ripple (Full Load)	18.40mV
3.3V Ripple (Full Load)	19.18mV
5VSB Ripple (Full Load)	14.32mV
12V Load Regulation	0.94%
5V Load Regulation	0.39%
3.3V Load Regulation	0.49%
5VSB Load Regulation	1.92%
Inrush Current	29.760A

230V

Accredited	
Average Efficiency (>1450 load combinations)	92.123%
Average Noise Output (>1450 Load Combinations)	21.89dBA
Average PF (>1450 Load Combinations)	0.948
Efficiency With 10W (≤500W) or 2% (>500W) Load	81.095%
Standby Power Consumption	0.0938W
Non-Accredited	
12V Ripple (Full Load)	29.27mV
5V Ripple (Full Load)	18.20mV
3.3V Ripple (Full Load)	17.39mV

5VSB Ripple (Full Load)		13.88mV
12V Load Regulation		0.95%
5V Load Regulation		0.35%
3.3V Load Regulation		0.49%
5VSB Load Regulation		1.88%
Inrush Current		49.500A
12V Transient Response (200%)		11.32V
5V Transient Response (200%)		5.031V
3.3V Transient Response (200%)		3.182V
5VSB Transient Response (200%)		5.013V
Hold-Up Time & PWR_OK Signal		21.70ms
AC Loss to PWR_OK Hold Up Time		19.00ms
PWR_OK Inactive to DC Loss Delay		2.70ms
PSU Timings: T1 (20% / 100%)	55.0ms	55.0ms
PSU Timings: T3 (20% / 100%)	120.0ms	120.0ms
12V OCP (29.4°C / 42.8°C)	129.40A (129.40%), 11.983V	119.40A (119.40%), 12.003V
5V OCP (29.4°C / 42.8°C)	30.2A (120.80%), 5.127V	28.9A (115.60%), 5.132V
3.3V OCP (29.4°C / 42.8°C)	32.6A (130.40%), 3.275V	31.5A (126.00%), 3.278V
5VSB OCP (29.4°C / 42.8°C)	4.8A (160.00%), 5.074V	4.8A (160.00%), 5.079V
OPP (28.54°C / 43.48°C)	129.26%	120.48%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	21.7
AC Loss to PWR_OK Hold Up Time (ms)	19
PWR_OK Inactive to DC Loss Delay (ms)	2.7

Tables

115V

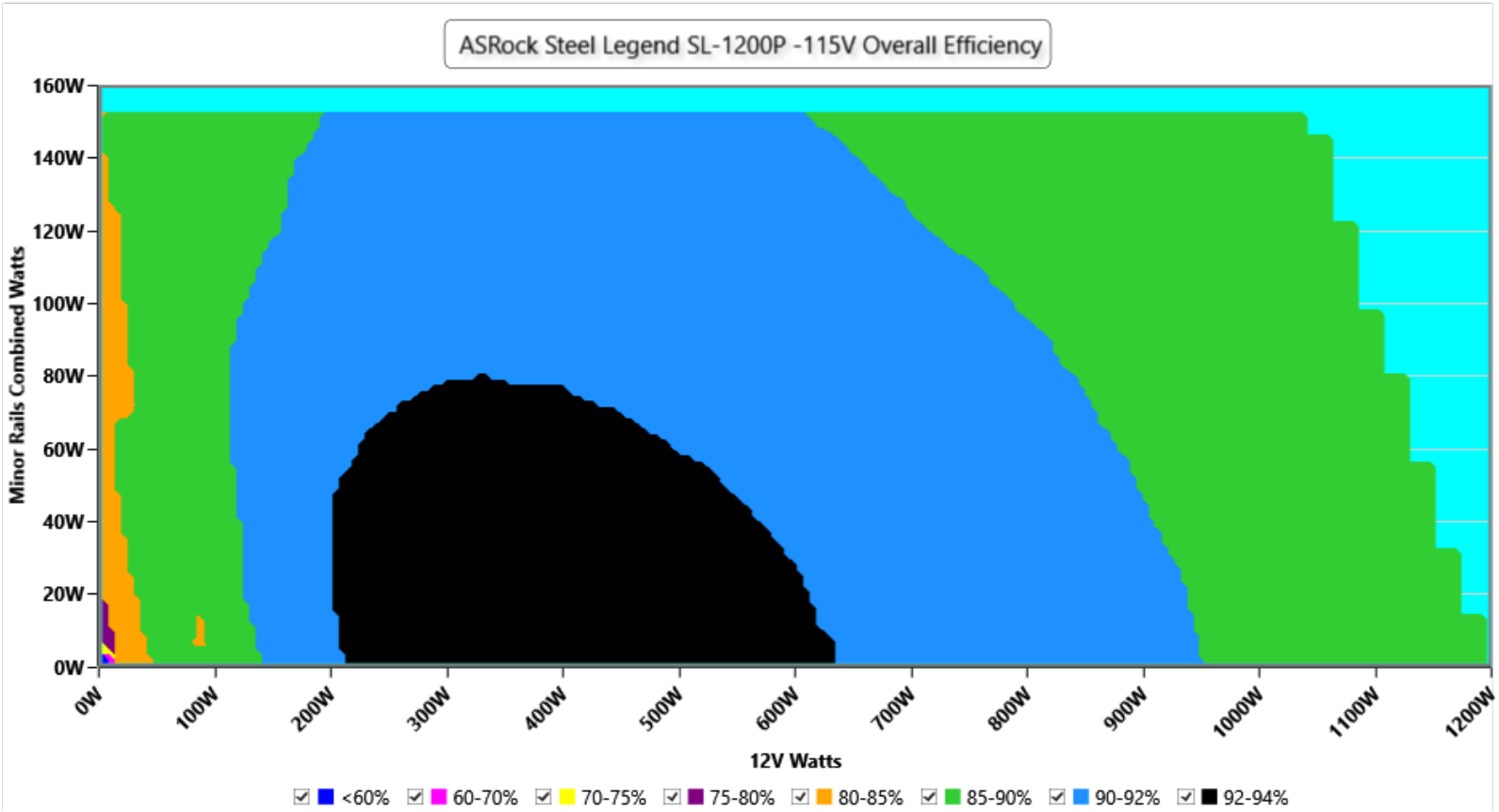
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.05 V	115.03 V	113.85 V	115.06 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.417	1.490	PASS
Mains Voltage THD:	0.13 %	0.11 %	N/A	0.15 %	2.00 %	PASS
Real Power:	0.053 W	0.033 W	N/A	0.075 W	N/A	N/A
Apparent Power:	13.594 W	13.577 W	N/A	13.614 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.10 V	230.08 V	227.70 V	230.12 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:	0.15 %	0.13 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.094 W	0.052 W	N/A	0.191 W	N/A	N/A
Apparent Power:	44.900 W	44.861 W	N/A	44.940 W	N/A	N/A
Power Factor:	0.002	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

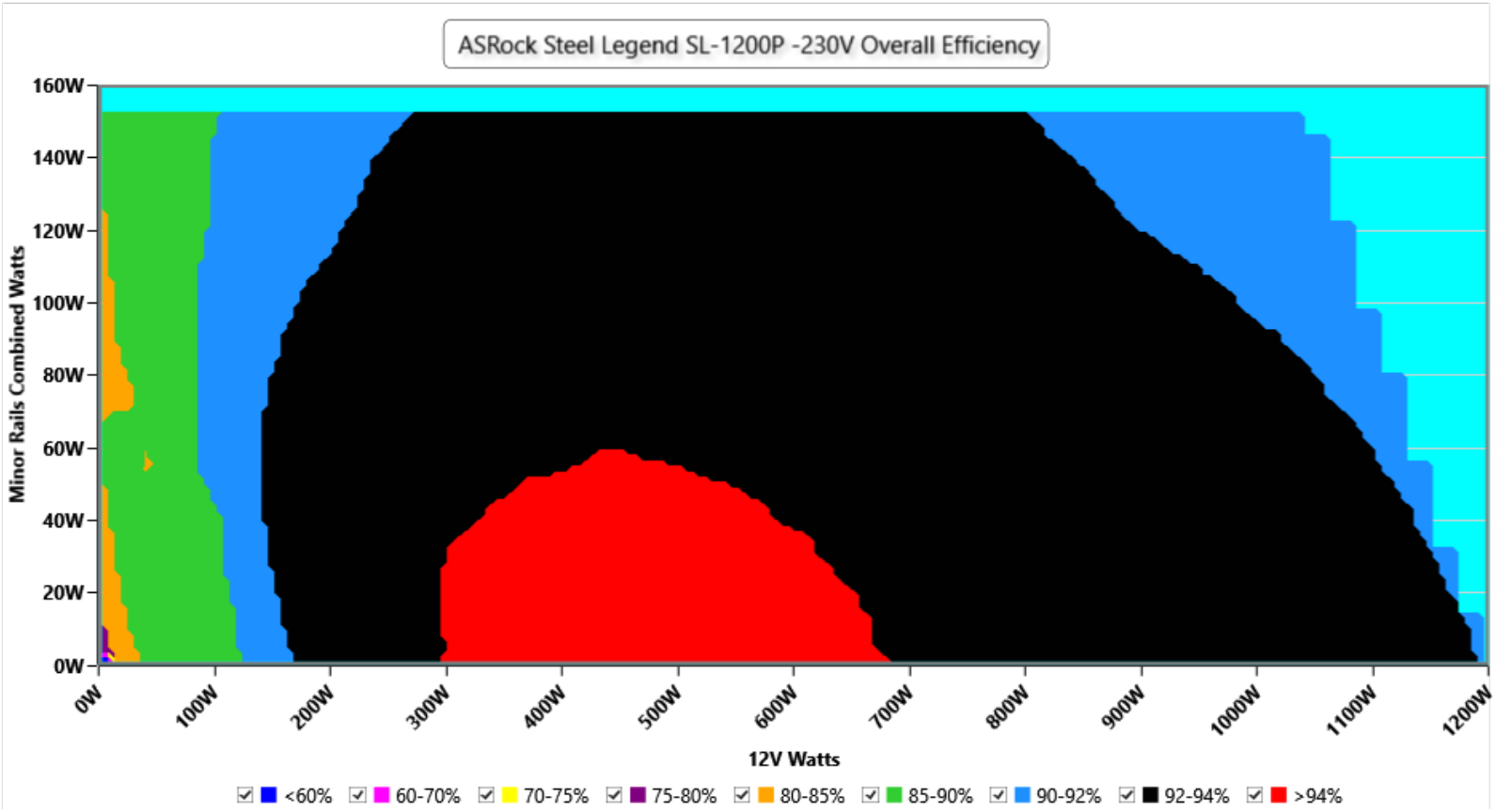
115V



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

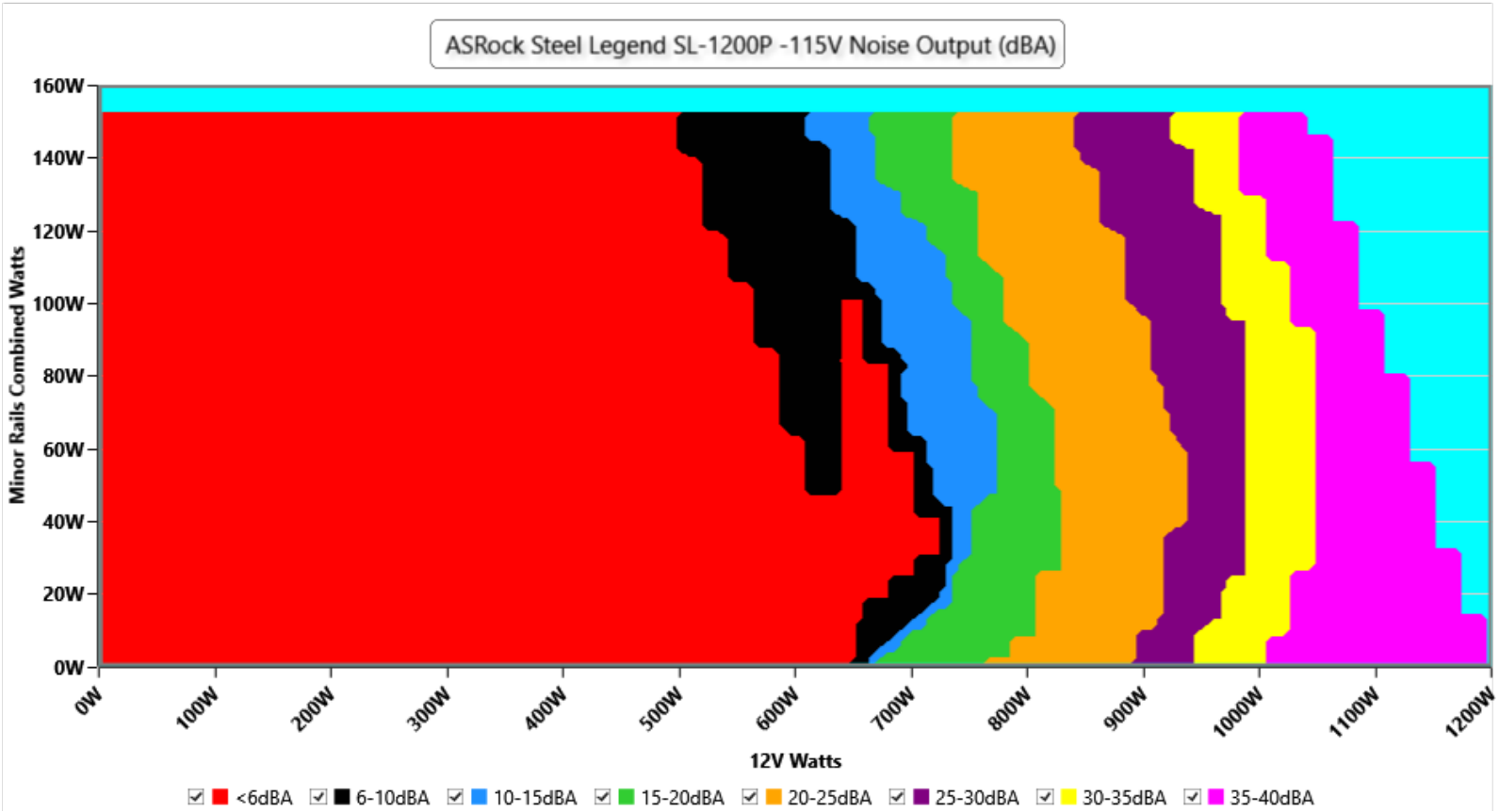


INFO

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

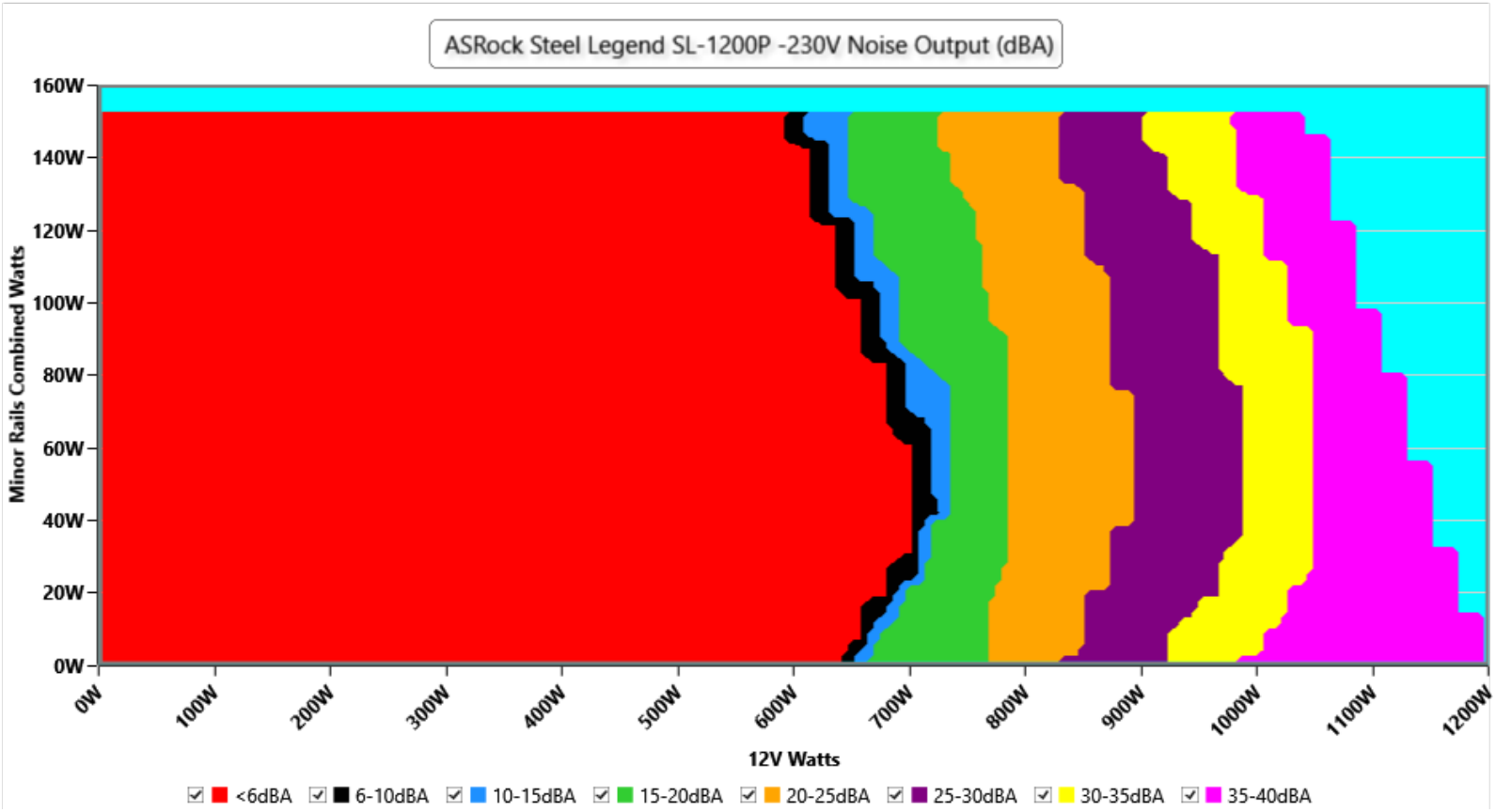
115V



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

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) · 31.6 °C	0 RPM · <6.0 dB(A) · 49.6 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 31.0 °C	0 RPM · <6.0 dB(A) · 51.0 °C	fan off in both
50%	469 RPM · <6.0 dB(A) · 30.7 °C	509 RPM · <6.0 dB(A) · 42.4 °C	<6.0 in both
100%	1359 RPM · 34.4 dB(A) · 30.1 °C	2103 RPM · 45.7 dB(A) · 45.2 °C	**+11.3 dB(A)**

230V

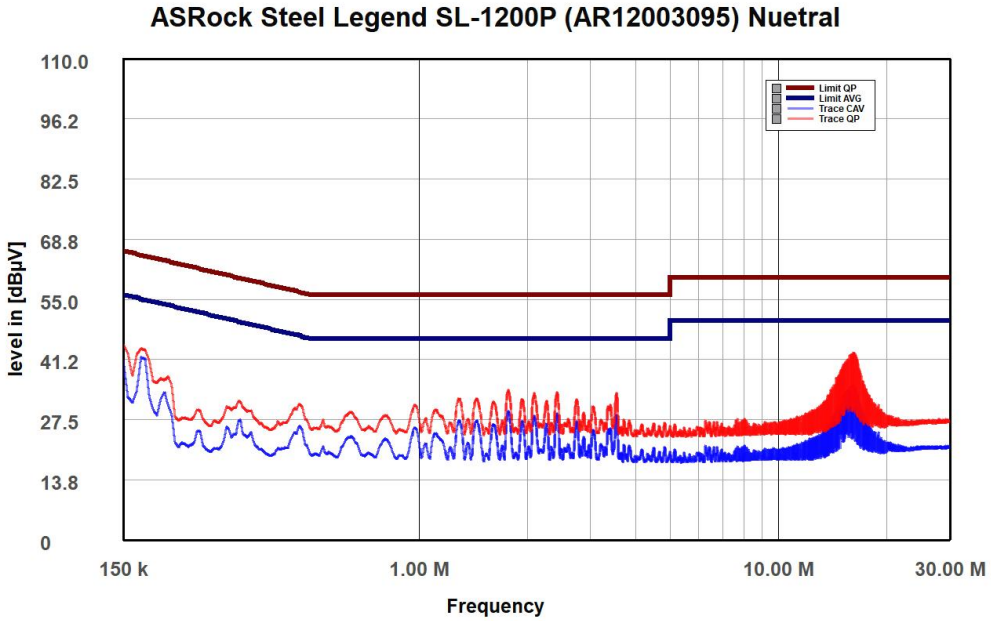
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 34.8 °C	0 RPM · <6.0 dB(A) · 46.0 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 35.5 °C	0 RPM · <6.0 dB(A) · 44.9 °C	fan off in both
50%	480 RPM · <6.0 dB(A) · 30.5 °C	500 RPM · <6.0 dB(A) · 42.2 °C	<6.0 in both
100%	1366 RPM · 34.5 dB(A) · 30.0 °C	1961 RPM · 44.5 dB(A) · 45.3 °C	**+10.0 dB(A)**

INFO

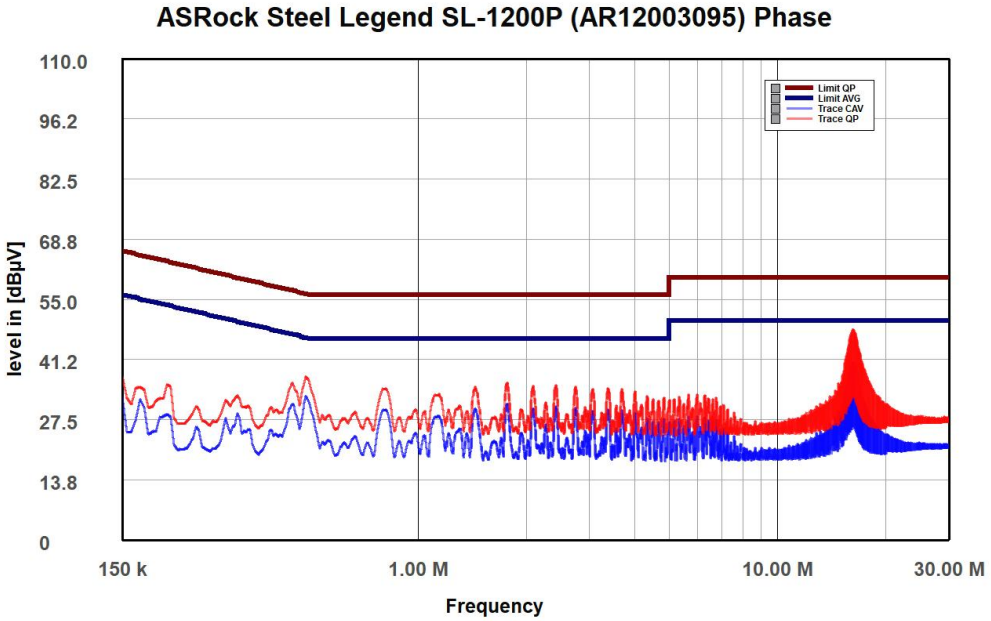
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative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



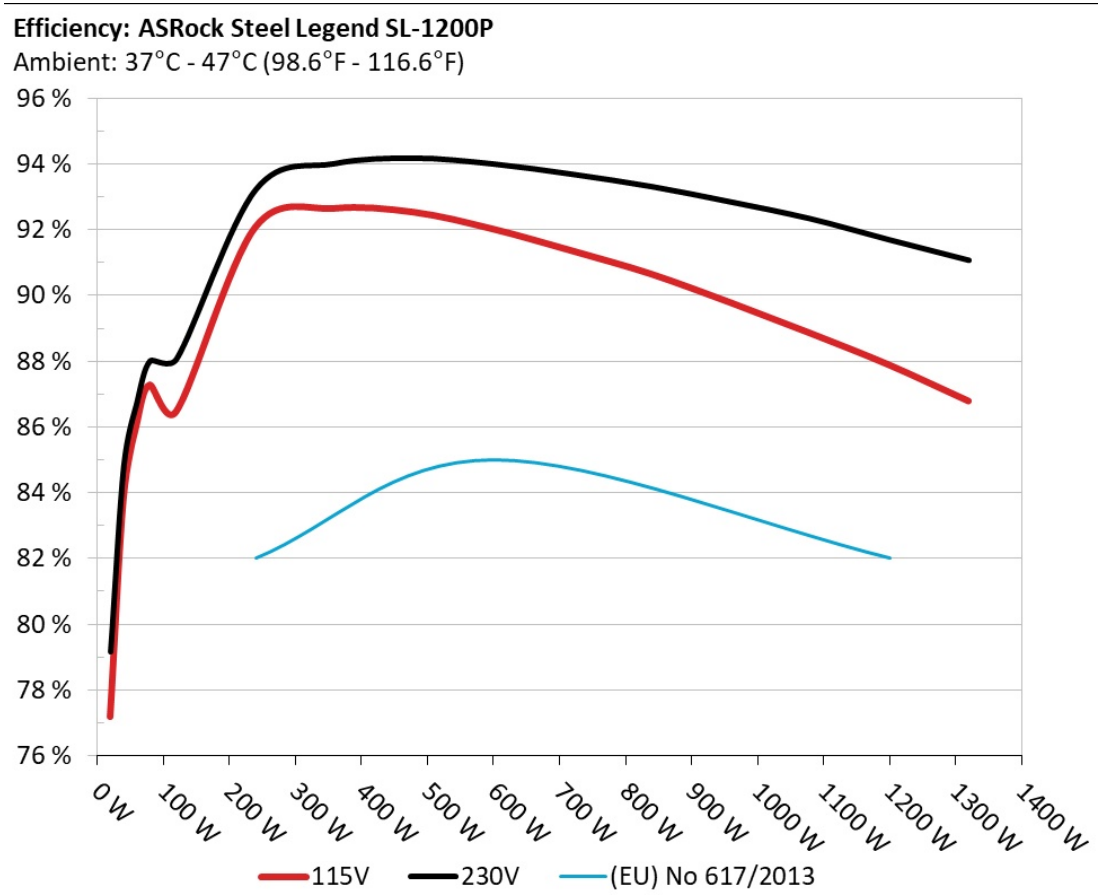
NEUTRAL



PHASE

Indicative Performance

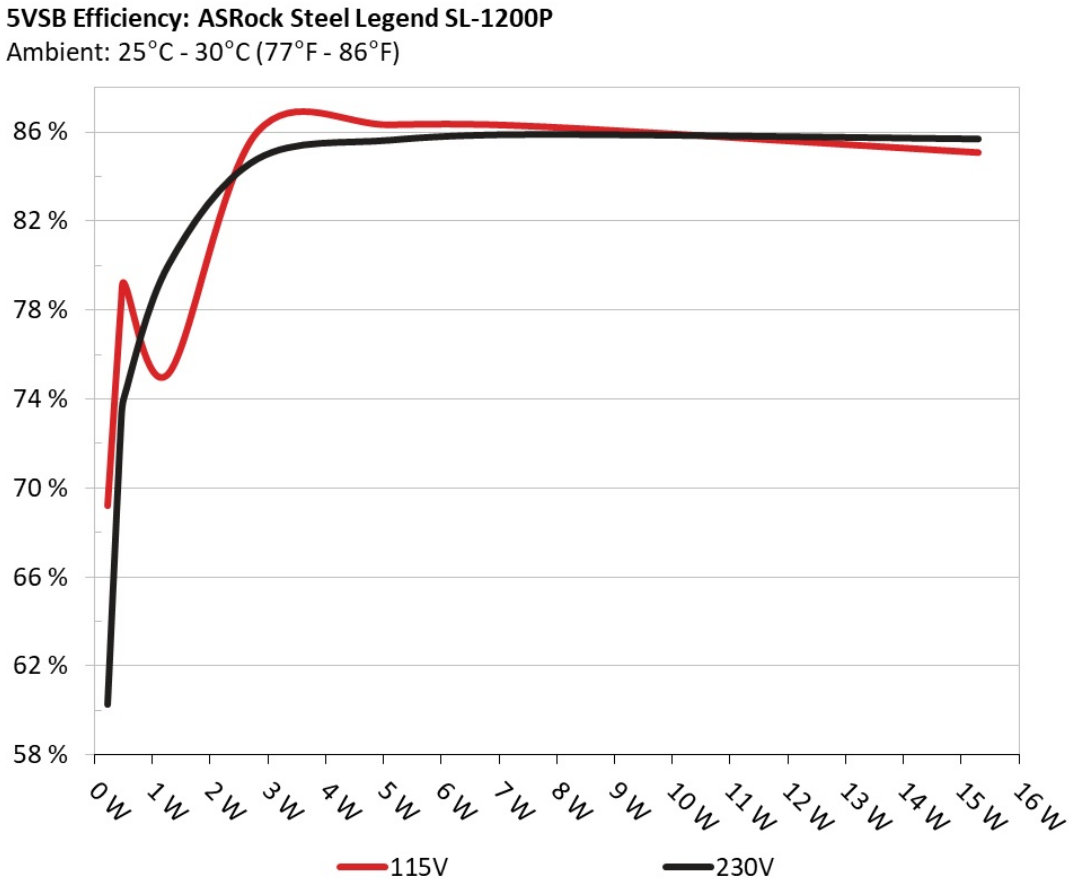
Efficiency under high ambient temperature



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**	0.232W	69.208%	0.024
	5.148V	0.335W		114.89V
2	**0.09A**	0.463W	78.222%	0.043
	5.148V	0.592W		114.88V
3	**0.55A**	2.827W	86.036%	0.208
	5.14V	3.286W		114.88V
4	**1A**	5.133W	86.347%	0.312
	5.133V	5.945W		114.87V
5	**1.5A**	7.688W	86.272%	0.375
	5.125V	8.911W		114.86V
6	**3A**	15.303W	85.101%	0.467
	5.101V	17.982W		114.86V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.231W	60.255%	0.008
	5.147V	0.385W		229.93V
2	**0.09A**	0.463W	72.919%	0.013
	5.146V	0.636W		229.92V
3	**0.55A**	2.826W	84.8%	0.069
	5.139V	3.333W		229.91V
4	**1A**	5.132W	85.646%	0.12
	5.132V	5.992W		229.9V
5	**1.5A**	7.686W	85.899%	0.17
	5.124V	8.947W		229.89V
6	**3A**	15.3W	85.698%	0.281
	5.1V	17.852W		229.9V

Protection Features

OCP (Normal @ 29.4°C)	12V: 129.40A (129.40%), 11.983V 5V: 30.2A (120.80%), 5.127V 3.3V: 32.6A (130.40%), 3.275V 5VSB: 4.8A (160.00%), 5.074V
OCP (Hot @ 42.8°C)	12V: 119.40A (119.40%), 12.003V 5V: 28.9A (115.60%), 5.132V 3.3V: 31.5A (126.00%), 3.278V 5VSB: 4.8A (160.00%), 5.079V
OPP (Normal @ 28.5°C)	1551.15W (129.26%)
OPP (Hot @ 43.5°C)	1445.73W (120.48%)
OTP	✓ (120°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%	**8.158A**	**1.945A**	**2.009A**	**0.972A**	120.003	86.472%	0	<6.0	49.63°C	0.961
	12.062V	5.141V	3.285V	5.145V	138.779				40.21°C	114.83V
20%	**17.338A**	**2.918A**	**3.015A**	**1.168A**	239.968	92.081%	0	<6.0	50.98°C	0.967
	12.058V	5.14V	3.284V	5.136V	260.599				40.7°C	114.8V
30%	**26.815A**	**3.405A**	**3.518A**	**1.365A**	359.196	92.649%	0	<6.0	53.04°C	0.977
	12.051V	5.139V	3.283V	5.127V	387.697				41.36°C	114.75V
40%	**36.392A**	**3.893A**	**4.022A**	**1.563A**	479.568	92.534%	0	<6.0	55.82°C	0.984
	12.045V	5.138V	3.282V	5.119V	518.274				41.74°C	114.72V
50%	**45.593A**	**4.869A**	**5.031A**	**1.762A**	599.336	92.023%	509	<6.0	42.42°C	0.989
	12.037V	5.135V	3.28V	5.109V	651.289				51.79°C	114.67V
60%	**54.867A**	**5.846A**	**6.041A**	**1.961A**	719.859	91.358%	849	19	42.59°C	0.991
	12.030V	5.132V	3.278V	5.1V	787.952				50.04°C	114.63V
70%	**64.080A**	**6.824A**	**7.052A**	**2.161A**	839.583	90.652%	965	23.3	43.39°C	0.993
	12.023V	5.13V	3.276V	5.091V	926.155				49.9°C	114.58V
80%	**73.365A**	**7.8A**	**8.062A**	**2.263A**	959.584	89.783%	1283	32.6	43.82°C	0.994
	12.018V	5.127V	3.274V	5.083V	1068.776				48.5°C	114.54V
90%	**82.991A**	**8.29A**	**8.554A**	**2.365A**	1079.382	88.863%	1598	38.6	44.13°C	0.995
	12.012V	5.126V	3.273V	5.075V	1214.66				48.14°C	114.49V
100%	**92.432A**	**8.781A**	**9.077A**	**2.965A**	1199.405	87.894%	2103	45.7	45.15°C	0.995
	12.005V	5.124V	3.272V	5.06V	1364.607				48.96°C	114.43V
110%	**101.812A**	**9.761A**	**10.182A**	**2.969A**	1320.009	86.793%	2276	46.6	46.84°C	0.996
	12.000V	5.122V	3.27V	5.054V	1520.886				50.1°C	114.38V
CL1	**0.117A**	**17.634A**	**18.224A**	**0A**	151.309	83.323%	414	<6.0	41.56°C	0.961
	12.056V	5.121V	3.27V	5.154V	181.59				52.08°C	114.81V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	**0.116A**	**24.322A**	**0A**	**0A**	126.239	82.184%	412	<6.0	41.12°C	0.962
	12.061V	5.133V	3.272V	5.16V	153.599				53.08°C	114.83V
CL3	**0.115A**	**0A**	**25.145A**	**0A**	83.886	73.472%	413	<6.0	41.92°C	0.955
	12.061V	5.131V	3.281V	5.16V	114.187				53.46°C	114.84V
CL4	**99.891A**	**0A**	**0A**	**0A**	1199.958	88.384%	1972	44.5	45.67°C	0.995
	12.012V	5.139V	3.281V	5.116V	1357.684				49.76°C	114.46V

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%	**8.158A**	**1.944A**	**2.009A**	**0.972A**	119.99	88.08%	0	<6.0	45.95°C	0.854
	12.061V	5.142V	3.286V	5.145V	136.229				40.35°C	229.86V
20%	**17.338A**	**2.918A**	**3.014A**	**1.168A**	239.948	93.238%	0	<6.0	44.85°C	0.921
	12.057V	5.141V	3.284V	5.137V	257.348				40.84°C	229.85V
30%	**26.813A**	**3.405A**	**3.518A**	**1.365A**	359.139	94.023%	0	<6.0	50.3°C	0.943
	12.049V	5.14V	3.283V	5.128V	381.967				41.35°C	229.83V
40%	**36.394A**	**3.892A**	**4.022A**	**1.563A**	479.507	94.192%	0	<6.0	48.19°C	0.957
	12.043V	5.139V	3.282V	5.12V	509.074				41.91°C	229.81V
50%	**45.595A**	**4.868A**	**5.03A**	**1.761A**	599.281	94.014%	500	<6.0	42.23°C	0.963
	12.036V	5.136V	3.28V	5.111V	637.437				51.29°C	229.78V
60%	**54.865A**	**5.844A**	**6.04A**	**1.961A**	719.813	93.699%	586	<6.0	42.88°C	0.97
	12.030V	5.134V	3.279V	5.101V	768.224				53.96°C	229.77V
70%	**64.074A**	**6.822A**	**7.05A**	**2.16A**	839.537	93.325%	907	21	43.19°C	0.974
	12.024V	5.131V	3.277V	5.092V	899.589				55°C	229.74V
80%	**73.362A**	**7.798A**	**8.06A**	**2.262A**	959.528	92.857%	1162	29	43.86°C	0.977
	12.018V	5.129V	3.275V	5.085V	1033.336				55.89°C	229.73V
90%	**82.979A**	**8.288A**	**8.552A**	**2.364A**	1079.342	92.348%	1491	36.9	44.05°C	0.979
	12.013V	5.127V	3.274V	5.078V	1168.775				56.65°C	229.71V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
100%	**92.417A**	**8.779A**	**9.075A**	**2.964A**	1199.371	91.705%	1961	44.5	45.27°C	0.981
	12.007V	5.126V	3.272V	5.062V	1307.848				57.51°C	229.69V
110%	**101.801A**	**9.76A**	**10.181A**	**2.968A**	1319.989	91.081%	2266	46.5	46.4°C	0.983
	12.000V	5.123V	3.271V	5.055V	1449.254				58.5°C	229.66V
CL1	**0.117A**	**17.63A**	**18.221A**	**0A**	151.307	84.479%	411	<6.0	42.42°C	0.889
	12.057V	5.122V	3.271V	5.155V	179.104				56.13°C	229.86V
CL2	**0.116A**	**24.314A**	**0A**	**0A**	126.234	83.167%	408	<6.0	42.25°C	0.871
	12.063V	5.134V	3.273V	5.161V	151.784				57.06°C	229.87V
CL3	**0.115A**	**0A**	**25.143A**	**0A**	83.883	74.279%	409	<6.0	42.6°C	0.82
	12.063V	5.132V	3.281V	5.161V	112.931				56.78°C	229.88V
CL4	**99.886A**	**0A**	**0A**	**0A**	1199.946	92.107%	1774	41.5	45.21°C	0.981
	12.013V	5.139V	3.282V	5.117V	1302.781				56.6°C	229.69V

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	**1.244A**	**0.486A**	**0.502A**	**0.194A**	20.008	77.192%	0	<6.0	43.28°C	0.817
	11.950V	5.143V	3.288V	5.157V	25.917				36.88°C	114.87V
40W	**2.732A**	**0.68A**	**0.703A**	**0.291A**	40.006	83.812%	0	<6.0	43.71°C	0.903
	11.966V	5.144V	3.288V	5.156V	47.736				37.34°C	114.86V
60W	**4.216A**	**0.875A**	**0.904A**	**0.388A**	60.006	86.082%	0	<6.0	46.55°C	0.937
	11.986V	5.143V	3.287V	5.155V	69.709				38.06°C	114.85V
80W	**5.698A**	**1.069A**	**1.104A**	**0.485A**	79.952	87.285%	0	<6.0	48.85°C	0.937
	11.991V	5.143V	3.287V	5.154V	91.601				39.57°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	**1.242A**	**0.486A**	**0.502A**	**0.194A**	19.998	79.158%	0	<6.0	46.03°C	0.403
	11.948V	5.144V	3.288V	5.157V	25.265				36.56°C	229.89V
40W	**2.732A**	**0.68A**	**0.703A**	**0.291A**	39.998	84.829%	0	<6.0	43.83°C	0.596
	11.963V	5.144V	3.288V	5.155V	47.154				37.15°C	229.88V
60W	**4.217A**	**0.875A**	**0.903A**	**0.388A**	59.999	86.754%	0	<6.0	41.29°C	0.707
	11.983V	5.144V	3.287V	5.154V	69.16				38.28°C	229.87V
80W	**5.696A**	**1.069A**	**1.104A**	**0.485A**	79.938	88.022%	0	<6.0	45.47°C	0.775
	11.991V	5.143V	3.287V	5.153V	90.815				39.02°C	229.88V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	27.16mV	18.58mV	17.49mV	12.27mV	Pass
20% Load	31.66mV	18.27mV	17.75mV	13.03mV	Pass
30% Load	27.16mV	17.91mV	17.85mV	12.98mV	Pass
40% Load	26.49mV	18.22mV	17.39mV	12.83mV	Pass
50% Load	27.05mV	19.35mV	19.24mV	13.80mV	Pass
60% Load	28.69mV	20.32mV	18.78mV	14.67mV	Pass
70% Load	28.64mV	18.06mV	17.96mV	14.88mV	Pass
80% Load	27.11mV	18.48mV	16.62mV	14.57mV	Pass
90% Load	29.41mV	18.53mV	18.06mV	13.70mV	Pass
100% Load	30.58mV	18.40mV	19.18mV	14.32mV	Pass
110% Load	30.03mV	18.77mV	18.80mV	14.95mV	Pass
Crossload1	22.21mV	17.81mV	17.57mV	12.15mV	Pass
Crossload2	27.72mV	23.20mV	18.57mV	13.50mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	26.19mV	19.04mV	20.26mV	12.88mV	Pass
Crossload4	30.61mV	19.23mV	17.24mV	13.92mV	Pass

The results above are not used in the certification process

230V

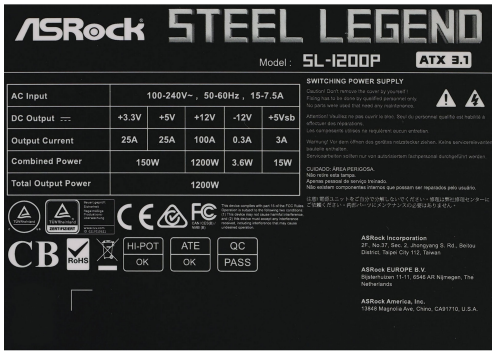
Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	29.26mV	17.55mV	17.08mV	12.52mV	Pass
20% Load	31.86mV	17.76mV	17.34mV	12.93mV	Pass
30% Load	27.82mV	18.01mV	16.52mV	12.47mV	Pass
40% Load	27.62mV	18.38mV	17.75mV	14.37mV	Pass
50% Load	28.39mV	18.68mV	17.96mV	13.90mV	Pass
60% Load	28.54mV	18.78mV	17.55mV	13.08mV	Pass
70% Load	28.59mV	18.12mV	17.24mV	14.57mV	Pass
80% Load	32.22mV	18.99mV	20.42mV	13.60mV	Pass
90% Load	29.56mV	19.86mV	18.98mV	14.01mV	Pass
100% Load	29.27mV	18.20mV	17.39mV	13.88mV	Pass
110% Load	31.12mV	19.91mV	19.38mV	13.32mV	Pass
Crossload1	21.97mV	17.72mV	17.21mV	12.43mV	Pass
Crossload2	33.70mV	21.20mV	16.88mV	13.24mV	Pass
Crossload3	27.98mV	20.37mV	20.37mV	13.60mV	Pass
Crossload4	30.97mV	17.81mV	17.06mV	12.83mV	Pass

The results above are not used in the certification process

ASRock Steel Legend SL-1200P



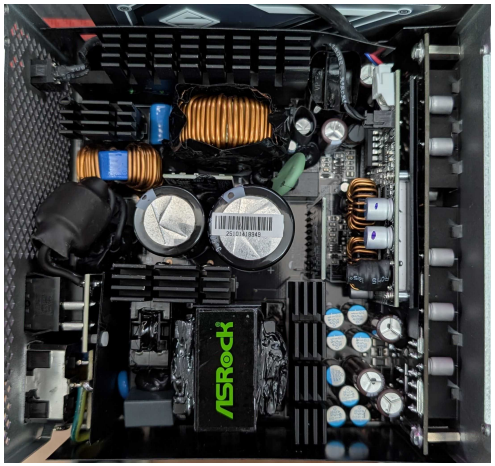
Top side



Power specifications label



Fan



PSU Internals