Montech Century II Gold 850 ATX3

Serial Number -

Lab ID MT85002813

Certification ID 252813

Test Result Report ID: 25PS2813A

Certificate Issue Date: May 13, 2025

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	Montech
Model	Century II Gold 850 ATX3
OEM/ODM	Shenzhen Xinweiye Technology Co., Ltd
Serial Number	-
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	10

Rated Frequency (Hz)	50-60
Rated Power (W)	850
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 (HA13525M12SF-Z)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	MT85002813
Date of receipt	Apr 29, 2025
Testing Date	May 10, 2025
Report Issued Date	May 13, 2025
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 (590mm)	1	1	18AWG	No
4+4 pin EPS12V (700mm)	2	2	18AWG	No
6+2 pin PCIe (600mm+150mm)	2	4	18AWG	No
12+4 pin PCIe (600mm) (600W)	1	1	16-26AWG	No
SATA (500mm+150mm+150mm+150mm)	2	8	18AWG	No
4-pin Molex (500mm+150mm+150mm+150mm)	1	4	18AWG	No
AC Power Cord (1350mm) - C13 coupler	1	1	18AWG	-

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	70.8	3	0.3
	Watts	100		849.6	15	3.6
Total Max. Power (W)		850				

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)	89.800%

Average Noise Output (>1450 Load Combinations)	26.89dBA
Average PF (>1450 Load Combinations)	0.985
Efficiency With 10W (≤500W) or 2% (>500W) Load	70.357%
Standby Power Consumption	0.0730W
Non-Accredited	
12V Ripple (Full Load)	28.25mV
5V Ripple (Full Load)	22.96mV
3.3V Ripple (Full Load)	20.83mV
5VSB Ripple (Full Load)	17.02mV
12V Load Regulation	0.39%
5V Load Regulation	0.32%
3.3V Load Regulation	0.42%
5VSB Load Regulation	4.89%
Inrush Current	16.852A

230V

Accredited	
Average Efficiency (>1450 load combinations)	91.840%
Average Noise Output (>1450 Load Combinations)	26.26dBA
Average PF (>1450 Load Combinations)	0.945
Efficiency With 10W (≤500W) or 2% (>500W) Load	70.828%
Standby Power Consumption	0.1474W
Non-Accredited	
12V Ripple (Full Load)	29.21mV
5V Ripple (Full Load)	22.60mV
3.3V Ripple (Full Load)	22.19mV
5VSB Ripple (Full Load)	16.24mV
12V Load Regulation	0.27%
5V Load Regulation	0.30%
3.3V Load Regulation	0.45%
5VSB Load Regulation	4.87%
Inrush Current	33.540A

12V Transient Response (200%)		11.37V
5V Transient Response (200%)		4.912V
3.3V Transient Response (200%)		3.245V
5VSB Transient Response (200%)		4.956V
Hold-Up Time & PWR_OK Signal		22.40ms
AC Loss to PWR_OK Hold Up Time		14.30ms
PWR_OK Inactive to DC Loss Delay		8.10ms
PSU Timings: T1 (20% / 100%)	75.0ms	69.0ms
PSU Timings: T3 (20% / 100%)	117.0ms	117.0ms
12V OCP (25.8°C / 40.7°C)	92.80A (131.07%), 11.960V	92.80A (131.07%), 11.976V
5V OCP (25.8°C / 40.7°C)	24.9A (124.50%), 4.998V	26.1A (130.50%), 5.002V
3.3V OCP (25.8°C / 40.7°C)	31.4A (157.00%), 3.342V	30A (150.00%), 3.343V
5VSB OCP (25.8°C / 40.7°C)	4.9A (163.33%), 4.872V	4.7A (156.67%), 4.874V
OPP (27.07°C / 42.17°C)	128.84%	123.25%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	22.4
AC Loss to PWR_OK Hold Up Time (ms)	14.3
PWR_OK Inactive to DC Loss Delay (ms)	8.1

Vampire Power

Tables

115V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	115.06 V	115.02 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	1.418	1.490	PASS

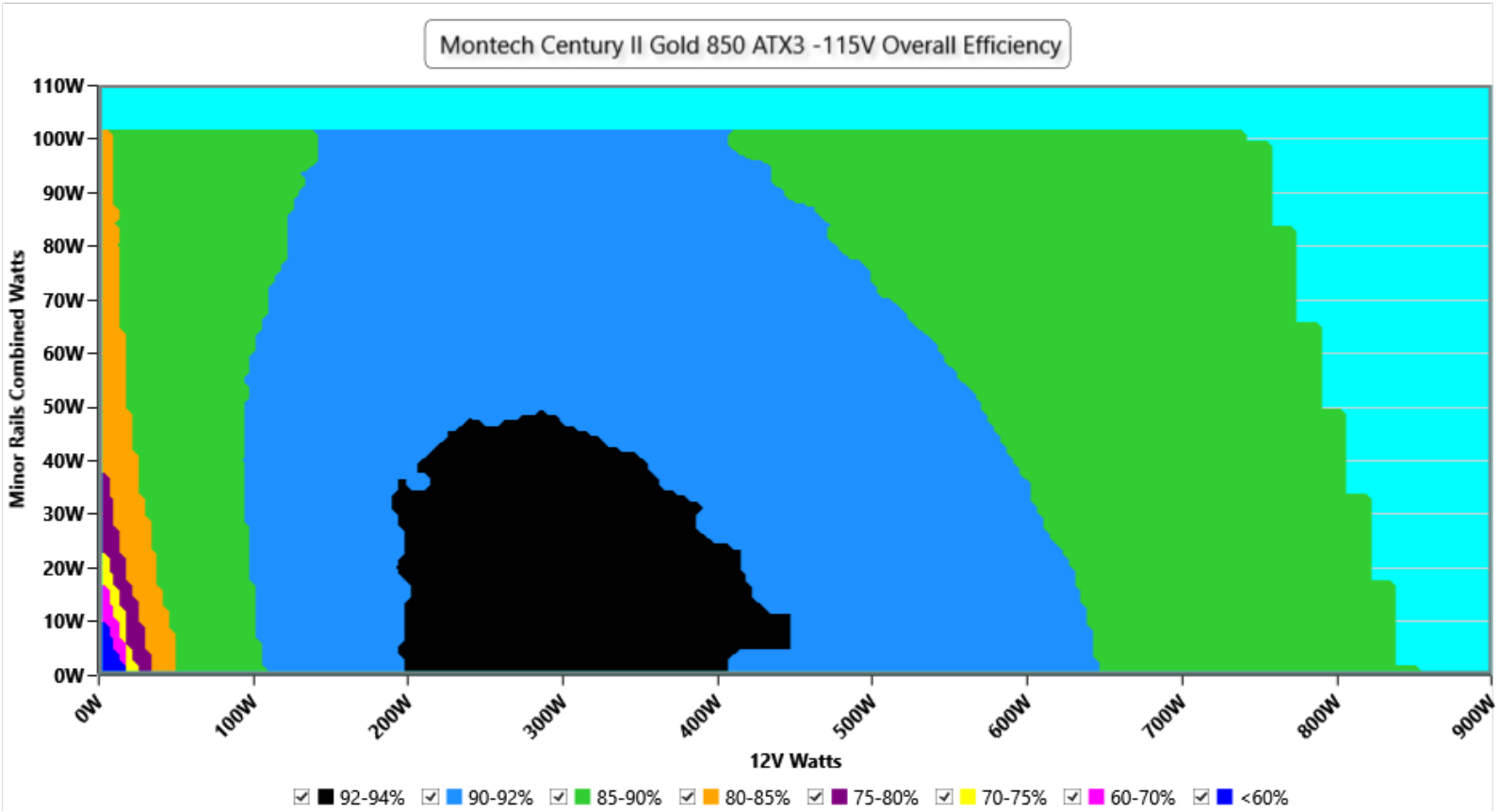
Mains Voltage THD:	0.13 %	0.09 %	N/A	0.18 %	2.00 %	PASS
Real Power:	0.073 W	0.004 W	N/A	0.106 W	N/A	N/A
Apparent Power:	10.040 W	9.965 W	N/A	10.105 W	N/A	N/A
Power Factor:	0.008	N/A	N/A	N/A	N/A	N/A

230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	231.01 V	230.92 V	227.70 V	231.08 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 %	0.14 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.147 W	0.112 W	N/A	0.197 W	N/A	N/A
Apparent Power:	34.149 W	33.961 W	N/A	34.382 W	N/A	N/A
Power Factor:	0.005	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

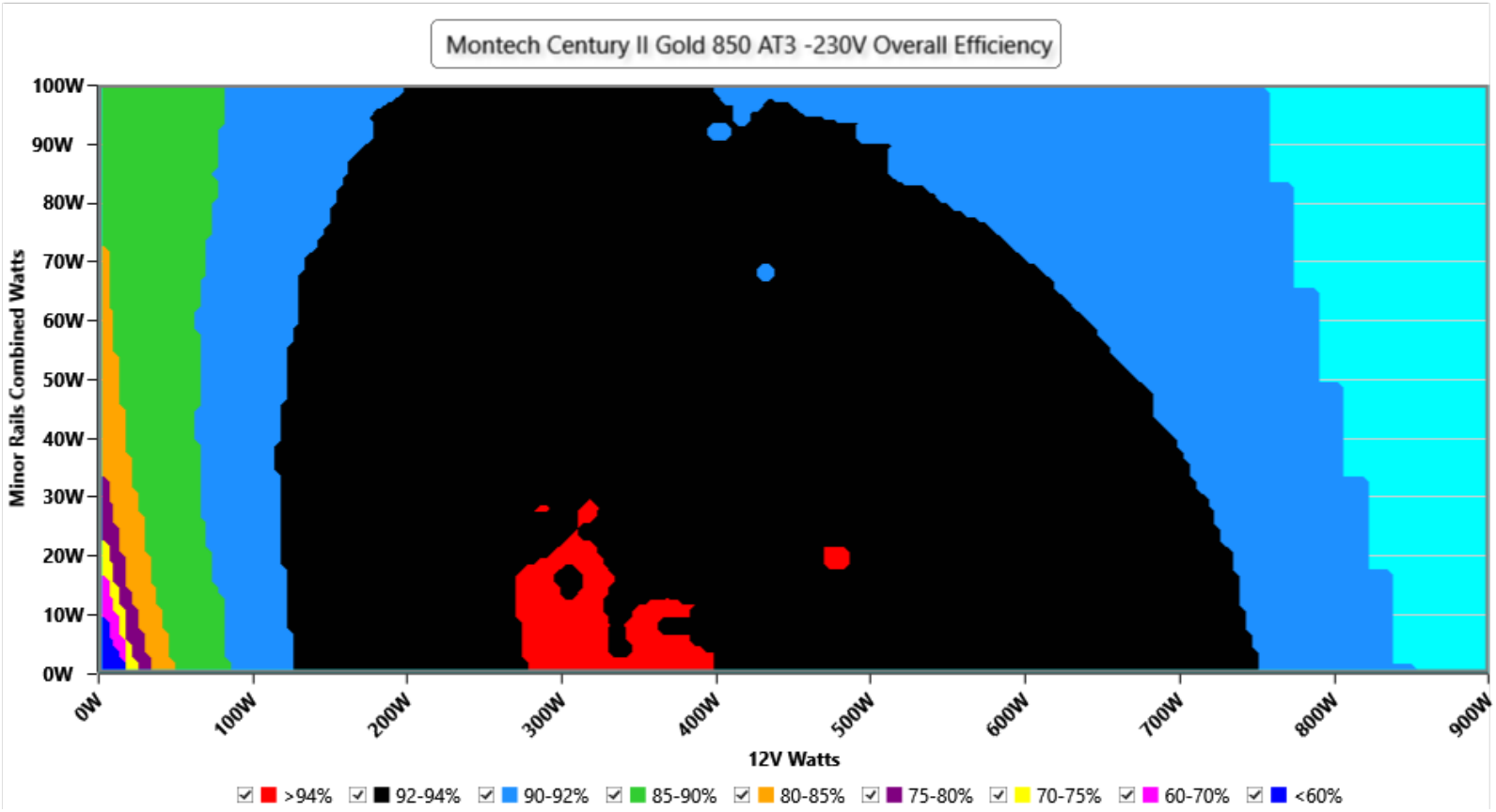
115V



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

230V

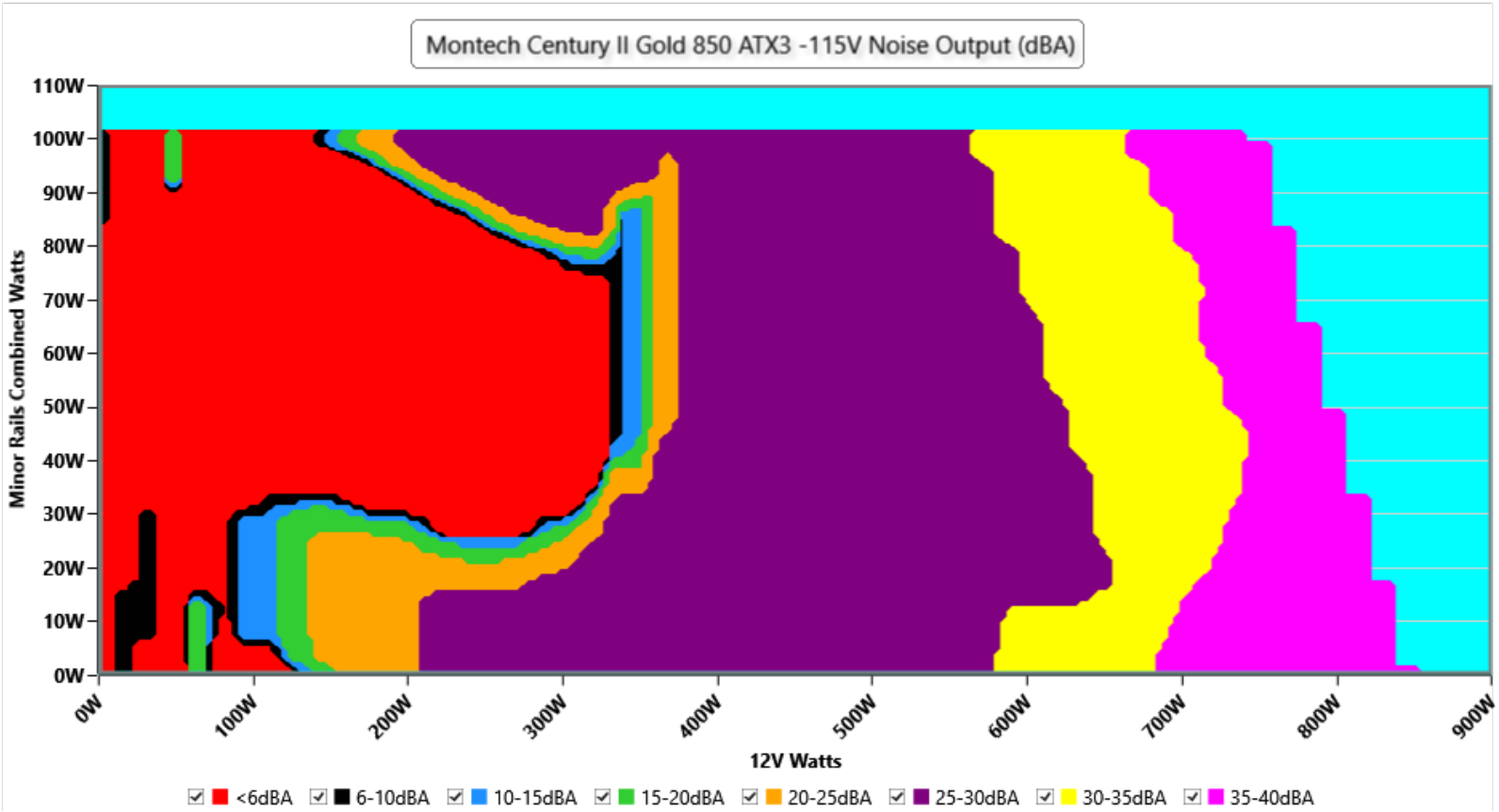


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Noise Graph

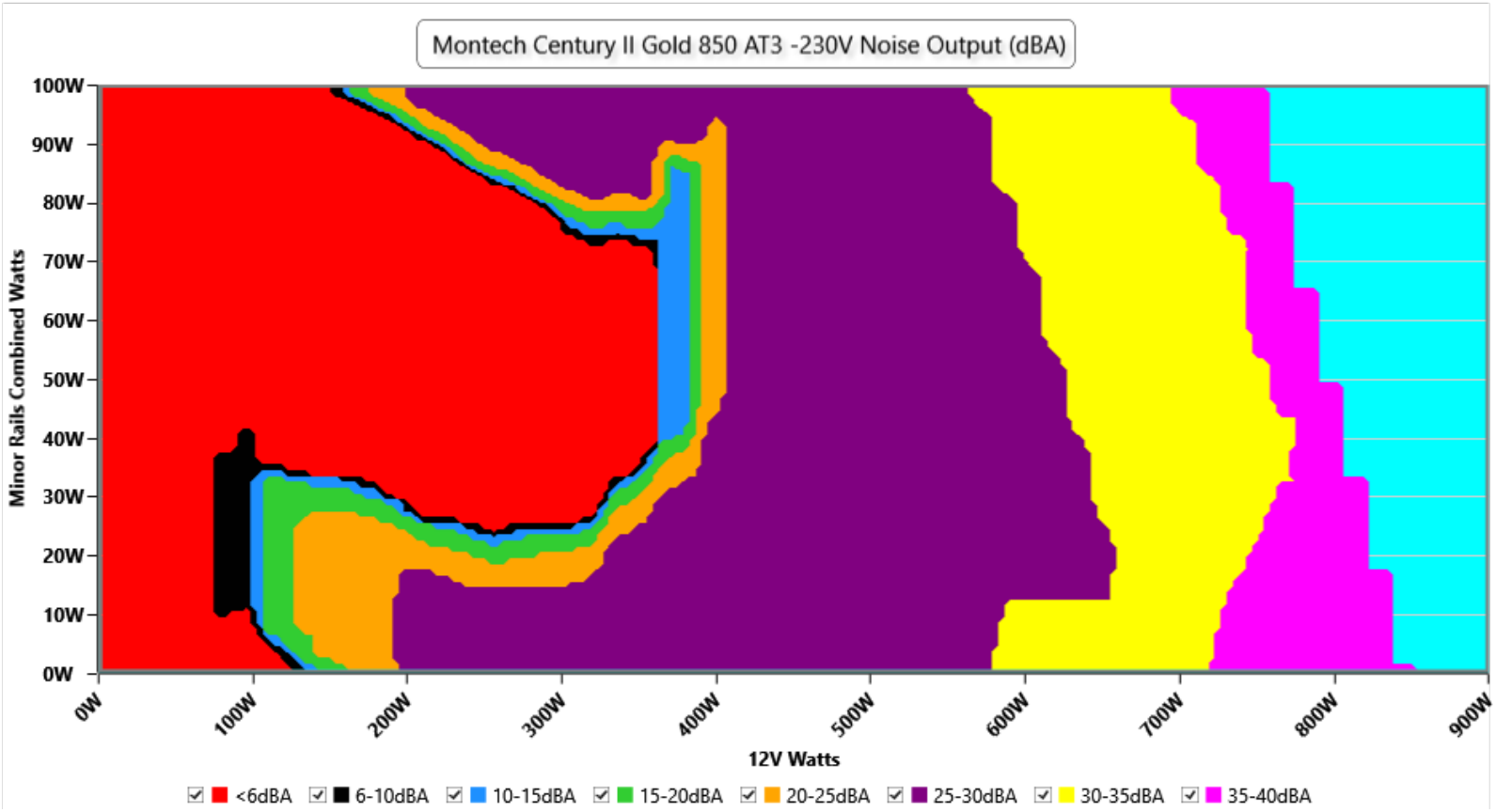
115V



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) · 33.3 °C	0 RPM · <6.0 dB(A) · 45.0 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 34.8 °C	0 RPM · <6.0 dB(A) · 47.8 °C	fan off in both
50%	814 RPM · 22.0 dB(A) · 30.1 °C	966 RPM · 27.4 dB(A) · 42.1 °C	**+5.4 dB(A)**
100%	1353 RPM · 36.9 dB(A) · 32.1 °C	1698 RPM · 42.1 dB(A) · 45.7 °C	**+5.2 dB(A)**

230V

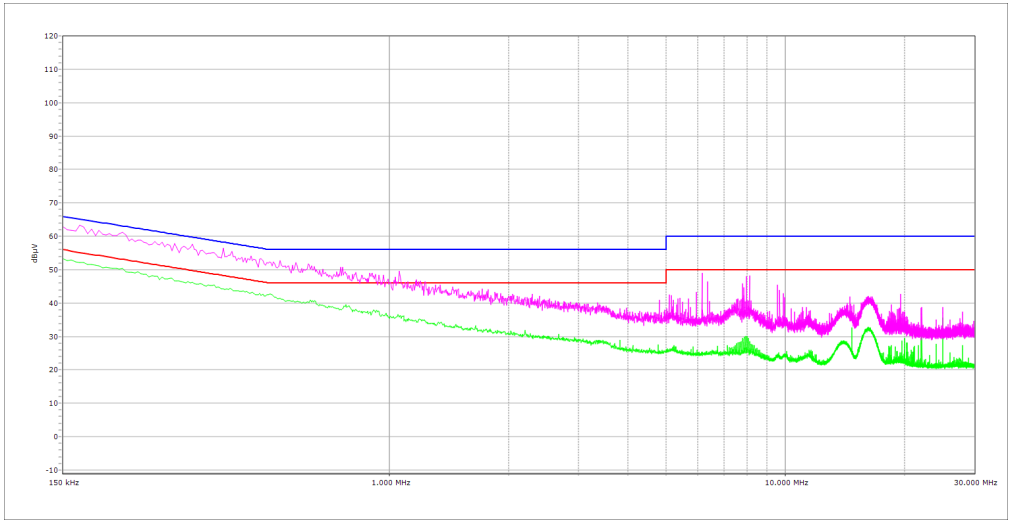
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	0 RPM · <6.0 dB(A) · 31.8 °C	0 RPM · <6.0 dB(A) · 46.4 °C	fan off in both
20%	0 RPM · <6.0 dB(A) · 32.7 °C	545 RPM · 9.0 dB(A) · 40.9 °C	fan starts (<6.0 → 9.0)
50%	768 RPM · 20.6 dB(A) · 30.0 °C	963 RPM · 27.3 dB(A) · 42.2 °C	**+6.7 dB(A)**
100%	1356 RPM · 36.9 dB(A) · 30.1 °C	1694 RPM · 42.0 dB(A) · 45.1 °C	**+5.1 dB(A)**

INFO

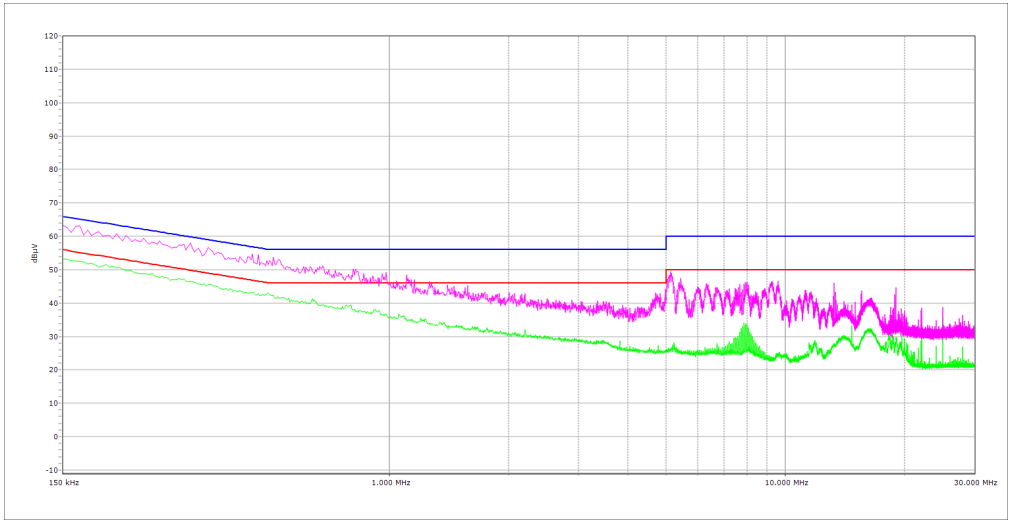
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative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



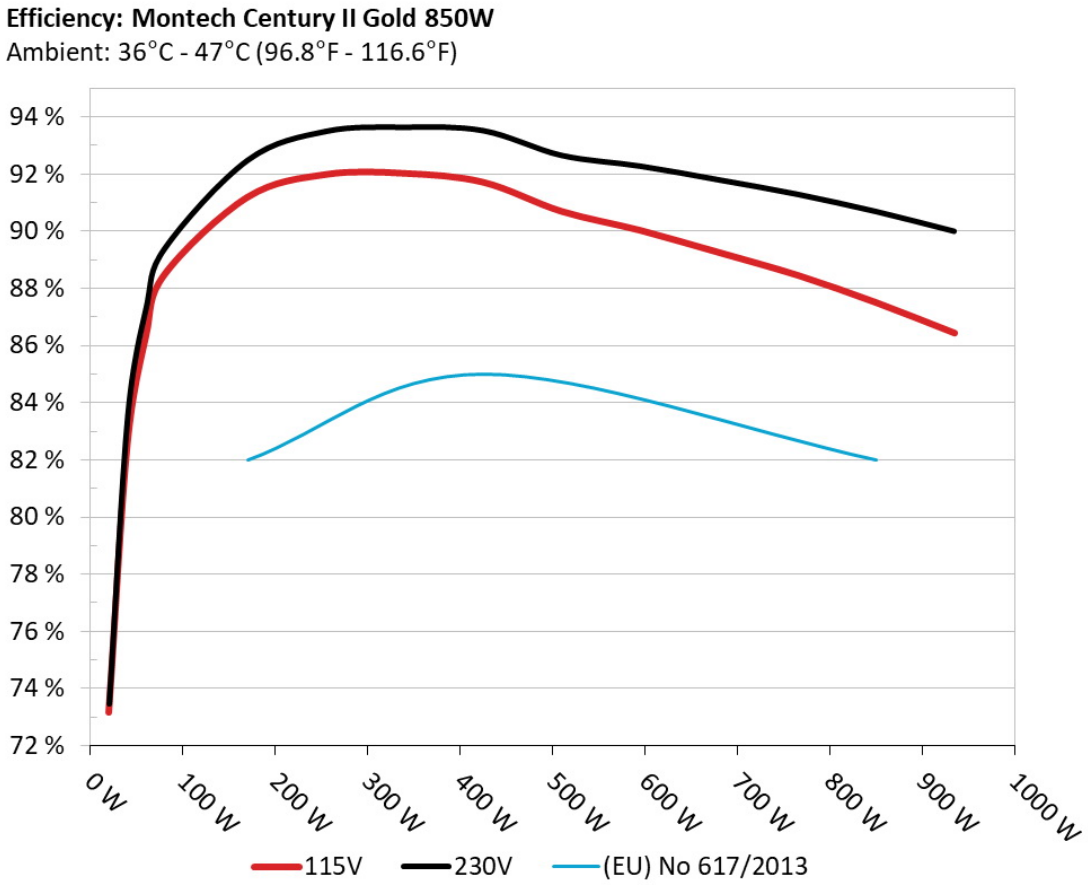
NEUTRAL



PHASE

Indicative Performance

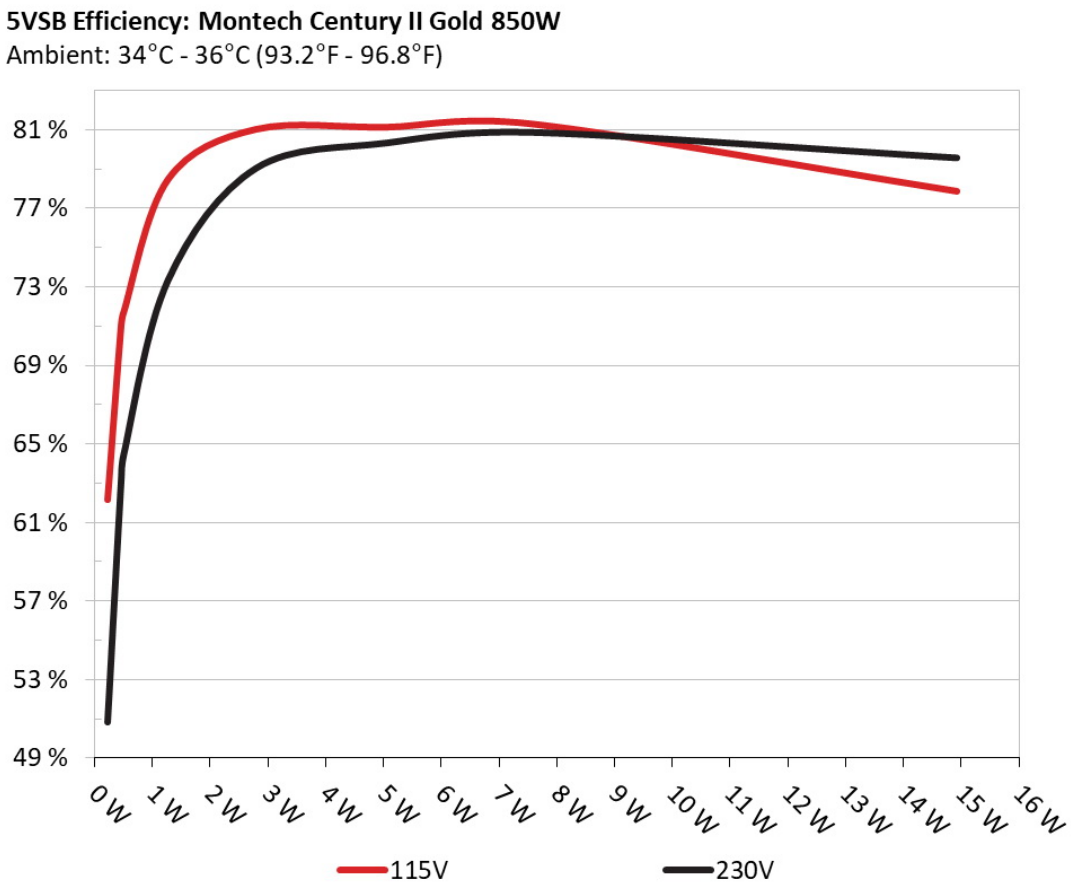
Efficiency under high ambient temperature



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**	0.23W	62.173%	0.036
	5.113V	0.368W		114.84V
2	**0.09A**	0.46W	70.919%	0.062
	5.111V	0.649W		114.84V
3	**0.55A**	2.8W	81.039%	0.266
	5.09V	3.455W		114.84V
4	**1A**	5.07W	81.145%	0.372
	5.069V	6.248W		114.83V
5	**1.5A**	7.57W	81.312%	0.42
	5.046V	9.31W		114.84V
6	**3.001A**	14.929W	77.884%	0.492
	4.975V	19.169W		114.85V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.23W	50.807%	0.013
	5.113V	0.453W		229.87V
2	**0.09A**	0.46W	62.903%	0.021
	5.111V	0.732W		229.86V
3	**0.55A**	2.8W	79.054%	0.098
	5.09V	3.542W		229.83V
4	**1A**	5.07W	80.348%	0.164
	5.069V	6.31W		229.82V
5	**1.5A**	7.57W	80.881%	0.224
	5.046V	9.36W		229.82V
6	**3.001A**	14.931W	79.583%	0.325
	4.976V	18.761W		229.82V

Protection Features

OCP (Normal @ 25.8°C)	12V: 92.80A (131.07%), 11.960V 5V: 24.9A (124.50%), 4.998V 3.3V: 31.4A (157.00%), 3.342V 5VSB: 4.9A (163.33%), 4.872V
OCP (Hot @ 40.7°C)	12V: 92.80A (131.07%), 11.976V 5V: 26.1A (130.50%), 5.002V 3.3V: 30A (150.00%), 3.343V 5VSB: 4.7A (156.67%), 4.874V
OPP (Normal @ 27.1°C)	1095.16W (128.84%)
OPP (Hot @ 42.2°C)	1047.63W (123.25%)
OTP	✓ (110°C @ Heat Sink)
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%	**5.304A**	**1.997A**	**1.972A**	**0.988A**	84.998	88.222%	0	<6.0	45.01°C	0.973
	11.955V	5.006V	3.346V	5.058V	96.344				40.24°C	114.81V
20%	**11.627A**	**2.997A**	**2.959A**	**1.191A**	169.918	91.177%	0	<6.0	47.82°C	0.972
	11.957V	5.005V	3.345V	5.039V	186.358				40.96°C	114.78V
30%	**18.302A**	**3.498A**	**3.455A**	**1.394A**	254.919	91.975%	752	20	41.17°C	0.979
	11.959V	5.003V	3.343V	5.02V	277.16				47.36°C	114.76V
40%	**24.984A**	**3.999A**	**3.95A**	**1.6A**	340.002	92.012%	966	27.4	41.72°C	0.985
	11.960V	5.001V	3.342V	5.001V	369.521				47.2°C	114.72V
50%	**31.290A**	**5.001A**	**4.941A**	**1.807A**	424.777	91.702%	966	27.4	42.09°C	0.988
	11.961V	4.999V	3.34V	4.982V	463.216				46.76°C	114.7V
60%	**37.611A**	**6.004A**	**5.932A**	**2A**	509.274	90.686%	968	27.4	42.95°C	0.991
	11.967V	4.997V	3.338V	4.962V	561.586				48.09°C	114.67V
70%	**43.905A**	**7.006A**	**6.924A**	**2.227A**	594.704	90.018%	1164	32.5	43.33°C	0.993
	11.971V	4.996V	3.337V	4.94V	660.653				50.65°C	114.64V
80%	**50.257A**	**8.009A**	**7.915A**	**2.336A**	679.528	89.247%	1269	35.1	43.64°C	0.994
	11.971V	4.994V	3.335V	4.923V	761.409				52.23°C	114.61V
90%	**57.001A**	**8.512A**	**8.399A**	**2.445A**	764.964	88.448%	1540	39.9	44.68°C	0.995
	11.973V	4.992V	3.333V	4.908V	864.877				53.02°C	114.56V
100%	**63.476A**	**9.017A**	**8.913A**	**3.084A**	849.799	87.493%	1698	42.1	45.72°C	0.996
	11.974V	4.99V	3.332V	4.866V	971.279				54.63°C	114.54V
110%	**69.818A**	**10.023A**	**9.998A**	**3.091A**	934.388	86.43%	1988	46.6	46.66°C	0.996
	11.976V	4.988V	3.33V	4.854V	1081.099				56.61°C	114.5V
CL1	**0.117A**	**12.049A**	**11.89A**	**0A**	101.299	84.088%	966	27.4	42.13°C	0.977
	11.994V	4.996V	3.339V	5.09V	120.473				50.66°C	114.79V

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**	**19.993A**	**0A**	**0A**	101.341	83.03%	965	27.3	42.17°C	0.975
	11.982V	4.999V	3.338V	5.095V	122.055				47.34°C	114.79V
CL3	**0.116A**	**0A**	**19.737A**	**0A**	67.382	78.289%	962	27.3	40.77°C	0.967
	11.977V	4.998V	3.344V	5.095V	86.067				45.07°C	114.81V
CL4	**71.023A**	**0A**	**0A**	**0.001A**	849.492	88.525%	1543	39.9	47.32°C	0.995
	11.961V	5V	3.341V	5.034V	959.606				53.62°C	114.55V

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%	**5.302A**	**1.997A**	**1.972A**	**0.989A**	85	89.316%	0	<6.0	46.35°C	0.819
	11.959V	5.007V	3.347V	5.058V	95.169				40.27°C	229.82V
20%	**11.624A**	**2.996A**	**2.959A**	**1.191A**	169.923	92.494%	545	9	40.85°C	0.912
	11.960V	5.005V	3.345V	5.039V	183.715				45.66°C	229.8V
30%	**18.297A**	**3.498A**	**3.454A**	**1.394A**	254.924	93.505%	626	14.1	41.48°C	0.94
	11.962V	5.003V	3.344V	5.021V	272.629				45.39°C	229.79V
40%	**24.988A**	**4A**	**3.951A**	**1.6A**	340.019	93.647%	962	27.3	41.94°C	0.957
	11.959V	5V	3.341V	5.002V	363.087				44.88°C	229.78V
50%	**31.299A**	**5.002A**	**4.942A**	**1.807A**	424.842	93.528%	963	27.3	42.21°C	0.964
	11.960V	4.998V	3.339V	4.982V	454.242				45.55°C	229.77V
60%	**37.570A**	**6.005A**	**5.933A**	**2A**	509.34	92.662%	966	27.4	43.45°C	0.974
	11.967V	4.997V	3.338V	4.962V	549.675				47.71°C	229.75V
70%	**43.905A**	**7.007A**	**6.924A**	**2.227A**	594.748	92.285%	1120	31.5	43.07°C	0.978
	11.972V	4.996V	3.337V	4.94V	644.472				48.61°C	229.73V
80%	**50.248A**	**8.008A**	**7.916A**	**2.336A**	679.561	91.806%	1267	35	43.54°C	0.98
	11.974V	4.995V	3.335V	4.924V	740.217				51.37°C	229.71V
90%	**56.994A**	**8.51A**	**8.4A**	**2.445A**	764.983	91.297%	1536	39.8	44.13°C	0.982
	11.975V	4.993V	3.333V	4.909V	837.905				51.85°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%	**63.473A**	**9.014A**	**8.914A**	**3.083A**	849.815	90.694%	1694	42	45.05°C	0.984
	11.975V	4.992V	3.332V	4.867V	937.015				52.44°C	229.69V
110%	**69.813A**	**10.02A**	**10A**	**3.09A**	934.409	90.005%	1991	46.6	46.68°C	0.986
	11.977V	4.99V	3.33V	4.855V	1038.171				55.18°C	229.67V
CL1	**0.117A**	**12.043A**	**11.893A**	**0A**	101.304	85.568%	967	27.4	42.05°C	0.857
	11.993V	4.999V	3.338V	5.09V	118.391				50.74°C	229.81V
CL2	**0.117A**	**19.976A**	**0A**	**0A**	101.353	84.196%	965	27.3	43.3°C	0.859
	11.984V	5.004V	3.338V	5.095V	120.38				48.05°C	229.82V
CL3	**0.116A**	**0A**	**19.738A**	**0A**	67.389	79.093%	963	27.3	41.97°C	0.798
	11.979V	4.998V	3.344V	5.095V	85.2				45.88°C	229.82V
CL4	**71.025A**	**0A**	**0A**	**0.001A**	849.577	91.58%	1539	39.9	44.49°C	0.984
	11.962V	4.999V	3.34V	5.033V	927.69				49.45°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**	**0.5A**	**0.493A**	**0.196A**	19.989	73.175%	0	<6.0	38.94°C	0.851
	11.935V	5.003V	3.345V	5.104V	27.318				36.18°C	114.84V
40W	**2.740A**	**0.699A**	**0.69A**	**0.294A**	39.991	82.547%	0	<6.0	40.08°C	0.931
	11.928V	5.005V	3.346V	5.098V	48.445				37.05°C	114.83V
60W	**4.229A**	**0.899A**	**0.887A**	**0.393A**	59.993	86.304%	0	<6.0	42.49°C	0.949
	11.948V	5.006V	3.346V	5.091V	69.511				38.98°C	114.81V
80W	**5.714A**	**1.098A**	**1.085A**	**0.492A**	79.925	88.463%	0	<6.0	43.2°C	0.97
	11.950V	5.006V	3.346V	5.084V	90.347				39.27°C	114.81V

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**	**0.499A**	**0.493A**	**0.196A**	19.991	73.447%	0	<6.0	39.33°C	0.473
	11.943V	5.004V	3.347V	5.104V	27.239				36.11°C	229.84V
40W	**2.736A**	**0.699A**	**0.69A**	**0.294A**	39.993	83.542%	0	<6.0	40.55°C	0.647
	11.948V	5.006V	3.347V	5.097V	47.86				37.12°C	229.84V
60W	**4.228A**	**0.898A**	**0.887A**	**0.393A**	59.995	87.327%	0	<6.0	42.17°C	0.746
	11.951V	5.007V	3.347V	5.091V	68.68				38.01°C	229.82V
80W	**5.714A**	**1.098A**	**1.084A**	**0.492A**	79.928	89.397%	0	<6.0	44.18°C	0.807
	11.952V	5.007V	3.347V	5.084V	89.405				39.39°C	229.82V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	18.98mV	17.04mV	16.93mV	9.70mV	Pass
20% Load	19.44mV	16.73mV	15.34mV	8.98mV	Pass
30% Load	18.36mV	16.63mV	15.80mV	9.65mV	Pass
40% Load	18.92mV	17.09mV	16.11mV	10.62mV	Pass
50% Load	20.15mV	17.81mV	16.88mV	11.24mV	Pass
60% Load	20.72mV	20.12mV	17.65mV	11.75mV	Pass
70% Load	20.30mV	19.97mV	21.19mV	13.08mV	Pass
80% Load	20.66mV	20.89mV	19.24mV	13.65mV	Pass
90% Load	21.53mV	20.73mV	19.65mV	14.32mV	Pass
100% Load	28.25mV	22.96mV	20.83mV	17.02mV	Pass
110% Load	29.27mV	23.45mV	20.35mV	17.13mV	Pass
Crossload1	24.51mV	19.43mV	19.68mV	12.82mV	Pass
Crossload2	18.62mV	22.27mV	21.70mV	12.98mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	18.56mV	20.12mV	18.06mV	11.65mV	Pass
Crossload4	29.62mV	19.08mV	16.63mV	18.17mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	17.29mV	15.55mV	14.98mV	8.67mV	Pass
20% Load	17.55mV	15.24mV	14.62mV	9.13mV	Pass
30% Load	18.21mV	15.65mV	14.67mV	9.13mV	Pass
40% Load	17.59mV	15.91mV	15.03mV	9.85mV	Pass
50% Load	20.20mV	16.83mV	16.32mV	10.77mV	Pass
60% Load	18.87mV	19.66mV	17.55mV	11.91mV	Pass
70% Load	18.87mV	20.01mV	17.96mV	12.16mV	Pass
80% Load	19.84mV	19.45mV	18.72mV	13.85mV	Pass
90% Load	20.76mV	20.58mV	18.52mV	13.75mV	Pass
100% Load	29.21mV	22.60mV	22.19mV	16.24mV	Pass
110% Load	29.97mV	22.69mV	23.65mV	16.52mV	Pass
Crossload1	23.63mV	20.42mV	20.11mV	12.32mV	Pass
Crossload2	17.65mV	20.43mV	20.88mV	12.06mV	Pass
Crossload3	17.03mV	19.61mV	17.55mV	11.39mV	Pass
Crossload4	26.89mV	18.28mV	19.05mV	18.19mV	Pass

The results above are not used in the certification process

Montech Century II Gold 850 ATX3



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