Thermaltake Toughpower GF A3 1050W (CE-Link)

PSTPD1050FNFAGULBSVHO1583

Lab ID TT10503365

Certification ID 263365

Test Result Report ID: 26PS3365A

Certificate Issue Date: Jul 28, 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	Thermaltake
Model	Toughpower GF A3 1050W (CE-Link)
OEM/ODM	CE-Link
Serial Number	PSTPD1050FNFAGULBSVHO1583
Product Specifications	
Manufacturer-Provided Information	
□□□□ (Vrms)	100-240
□□□□ (Arms)	8-16

□□□□ (Hz)	50-60
□□□□ (W)	1050
Operating Temperature (Continuous Full Load) (°C)	0 - 45
□□	ATX12V
□□□□	Fully Modular
Warranty	10 years
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 85 x 140mm
Weight	1.58 kg (3.48 lb)
□□	120mm Fluid Dynamic Bearing Fan (GQR1225D12H)
□□□□□	✓ (selectable)
Cybenetics Testing Information	
Lab ID	TT10503365
Date of receipt	Jul 3, 2026
Testing Date	Jul 22, 2026
Report Issued Date	Jul 28, 2026
Engineer Name	Ioannis Kalyviotis
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

□□□□ (Non-accredited measurements)

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□□	□□□	□□□□□	**Gauge**	**Cable Type**
ATX □□ 24 pin (600mm)	1	1	18-22AWG	Tinned Copper
4+4 pin EPS 12V □□ (650mm)	2	2	16AWG	Tinned Copper
6+2pin PCIe□□ (500mm+150mm)	2	4	16-18AWG	Tinned Copper
6+2pin PCIe□□ (500mm)	1	1	16AWG	Tinned Copper
12+4 pin PCIe (600mm) (600W)	1	1	16-26AWG	Tinned Copper
SATA□□ (500mm+150mm+150mm+150mm)	3	12	18AWG	Tinned Copper
4-pin Molex (500mm+150mm+150mm+150mm) / FFD (+155mm)	1	4 / 1	18-22AWG	Tinned Copper
AC Power Cord (1400mm) - C13 coupler	1	1	16AWG	-

Protection Features(Manufacturer)

Over Power Protection	✓
Over Current (+12V) Protection	✓
Over Temperature Protection	✓
Short Circuit Protection	✓
Surge Protection	✓
Inrush Current Protection	✓
Fan Failure Protection	✗

□□□□

□		3.3V	5V	12V	5VSB	-12V
□□□□	□□	20	20	87.5	3	0.3
	□	100		1050	15	3.6
□□□□□ (W)		1050				

Parts Description

General Data	
Manufacturer (OEM)	CE-Link
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x Cantherm MF72-5D15 (5 Ohm @ 25°C) & Relay
Bridge Rectifier	2x HY GBU2506 (600V, 25A @ 100°C)
APFC MOSFETs	2x LonFET LSD55R140GT (550V, 15A @ 100°C, Rds(on): 0.14Ohm)
APFC Boost Diode	Maplesemi MSP10065G1 (650V, 10A @ 150°C)
Bulk Cap(s)	1x Nippon Chemi-Con (400V, 820uF, 2000h @ 105°C, KMW)
Main Switchers	4x LonFET LSD55R140GF (550V, 15A @ 100°C, Rds(on): 0.14Ohm)

APFC Controller	Champion CM6500UNX & Champion CM03AX (reducing no load consumption)
Resonant Controller	Champion CU6901T6X
Topology	Primary side: APFC, Full-Bridge & LLC Resonant Converter Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	8x LonFET LSGN04R013WE (40V, 122A @ 100°C, Rds(on): 1.35mOhm)
5V & 3.3V	DC-DC Converters: 6x Vgsemi VS3610GPMT (30V, 72A @ 100°C, Rds(on): 3.2mOhm) PWM Controller(s): 1x Anpec APW7159C
Filtering Capacitors	Electrolytic: 11x 12 Kuang Gin (@ 105°C, WE) 1x Teapo (2000 ~ 3000h @ 105°C, SC) Polymer: 26x Teapo
Supervisor IC	Grenergy GR8313
Fan Model	TT-1225 GQR1225D12H (120mm, 12V, 0.35A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	P43R1M
Standby PWM Controller	Sanken A6069H

Test Results

Temperature & Compliance Info

□□□□ (°C /°F)	28-32 / 82.4-89.6
□□ ErP Lot3/6□□	✓
□□ (EU) No 617/2013□□	✓
ALPM (Alternative Low Power Mode) compatible	✓
ATX v3.1 PSU Power Excursion	✓
Conducted Emissions EN 55032 & CISPR 32	Passed

Performance Summary

115V

Accredited	
□□□□ (>1450 load combinations)	89.995%
Average Noise Output (>1450 Load Combinations)	41.33dBA
PF□□□ (>1450 Load Combinations)	0.984
Efficiency With 10W (≤500W) or 2% (>500W) Load	70.199%
□□□□□□	0.0364W
Non-Accredited	
12V Ripple (Full Load)	41.56mV
5V Ripple (Full Load)	37.40mV
3.3V Ripple (Full Load)	37.28mV
5VSB Ripple (Full Load)	27.00mV
12V Load Regulation	0.70%
5V Load Regulation	0.28%
3.3V Load Regulation	0.45%
5VSB Load Regulation	2.39%
Inrush Current	31.140A

230V

Accredited	
□□□□ (>1450 load combinations)	92.016%
Average Noise Output (>1450 Load Combinations)	41.42dBA
PF□□□ (>1450 Load Combinations)	0.937
Efficiency With 10W (≤500W) or 2% (>500W) Load	72.081%
□□□□□□	0.0710W
Non-Accredited	
12V Ripple (Full Load)	30.11mV
5V Ripple (Full Load)	22.77mV
3.3V Ripple (Full Load)	24.30mV

5VSB Ripple (Full Load)		17.91mV
12V Load Regulation		0.68%
5V Load Regulation		0.30%
3.3V Load Regulation		0.57%
5VSB Load Regulation		2.39%
Inrush Current		81.250A
12V Transient Response (200%)		11.34V
5V Transient Response (200%)		4.960V
3.3V Transient Response (200%)		3.196V
5VSB Transient Response (200%)		4.913V
□□□□ & PG□□		15.50ms
AC Loss to PWR_OK Hold Up Time		12.60ms
PWR_OK Inactive to DC Loss Delay		2.90ms
PSU Timings: T1 (20% / 100%)	104.0ms	105.0ms
PSU Timings: T3 (20% / 100%)	130.0ms	130.0ms
12V OCP (30.2°C / 41.8°C)	107.60A (122.97%), 11.989V	108.20A (123.66%), 11.980V
5V OCP (30.2°C / 41.8°C)	23.2A (116.00%), 5.045V	22.50A (112.50%), 5.046V
3.3V OCP (30.2°C / 41.8°C)	22.70A (113.50%), 3.333V	22.7A (113.50%), 3.337V
5VSB OCP (30.2°C / 41.8°C)	6.5A (216.67%), 4.849V	6A (200.00%), 4.861V
OPP (30.43°C / 41.85°C)	121.20%	121.20%

□□□□ & PG□□

Hold-Up Time (ms)	15.5
AC Loss to PWR_OK Hold Up Time (ms)	12.6
PWR_OK Inactive to DC Loss Delay (ms)	2.9

Tables

115V

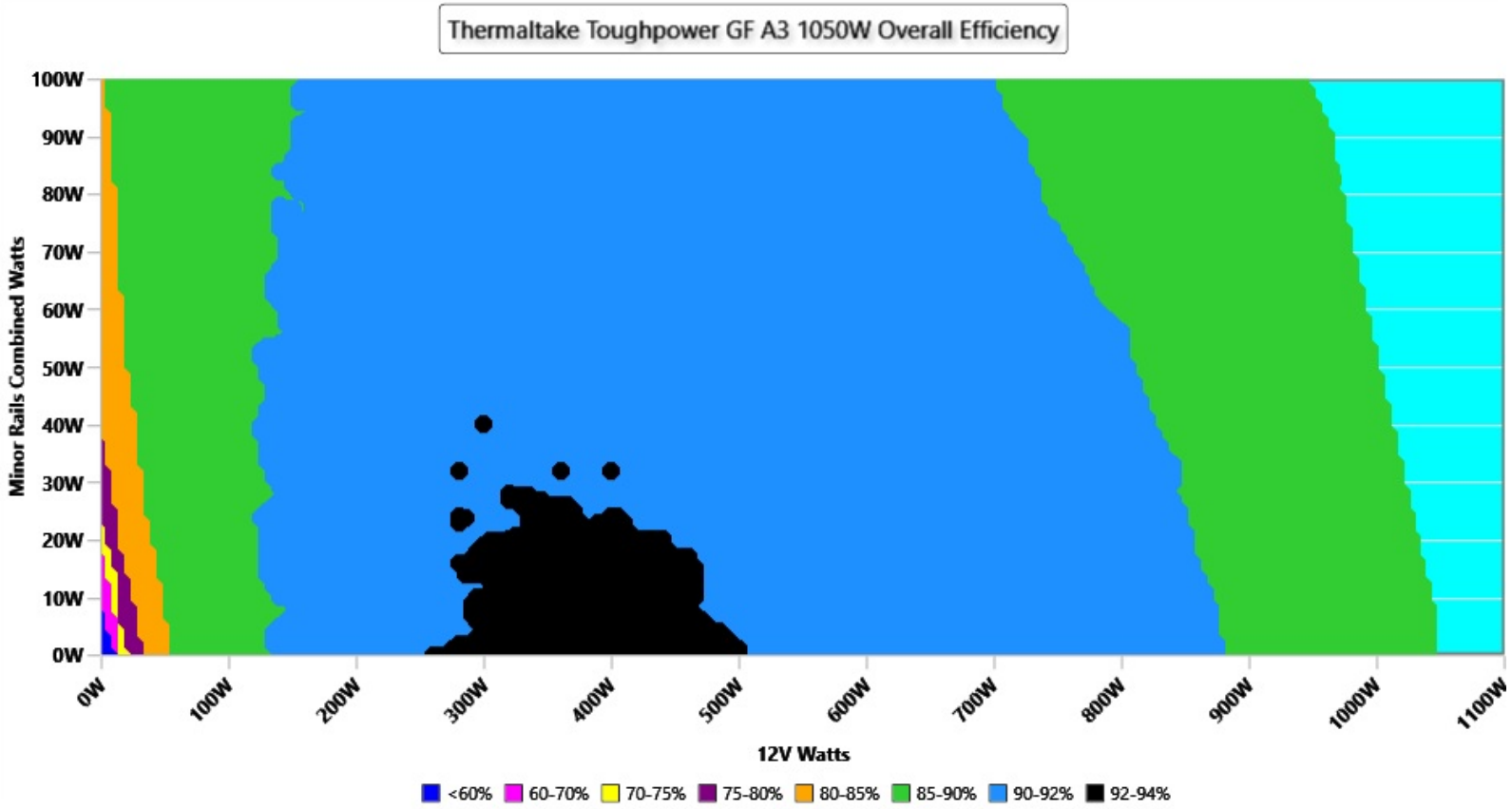
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	114.98 V	114.95 V	113.85 V	114.99 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.99 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.13 %	0.10 %	N/A	0.17 %	2.00 %	PASS
Real Power:	0.036 W	-0.006 W	N/A	0.073 W	N/A	N/A
Apparent Power:	7.972 W	7.945 W	N/A	7.998 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:	229.99 V	229.95 V	227.70 V	230.00 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:	0.071 W	0.033 W	N/A	0.128 W	N/A	N/A
Apparent Power:	25.782 W	25.743 W	N/A	25.820 W	N/A	N/A
Power Factor:	0.002	N/A	N/A	N/A	N/A	N/A

□□□□□□

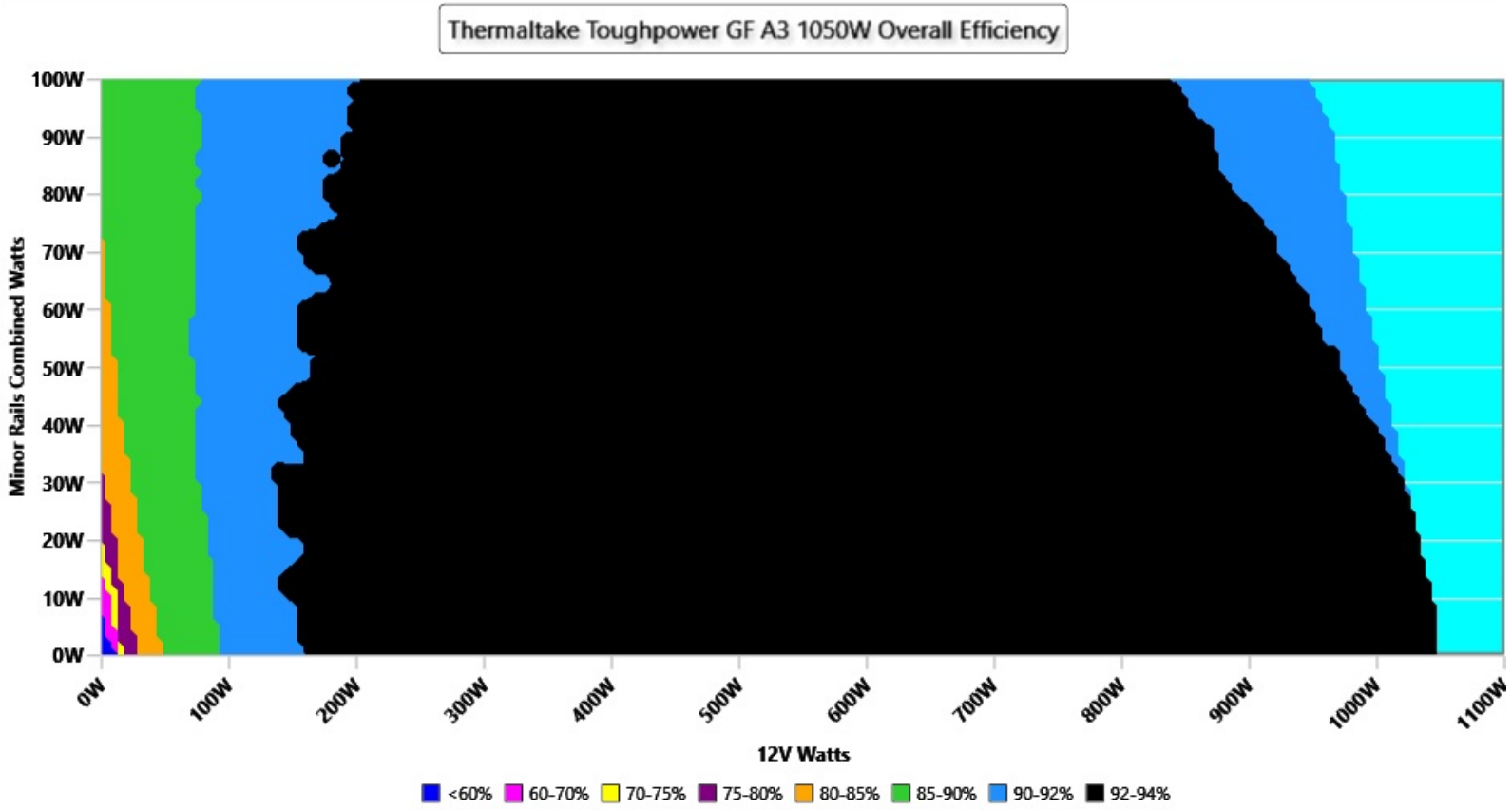
115V



□□

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

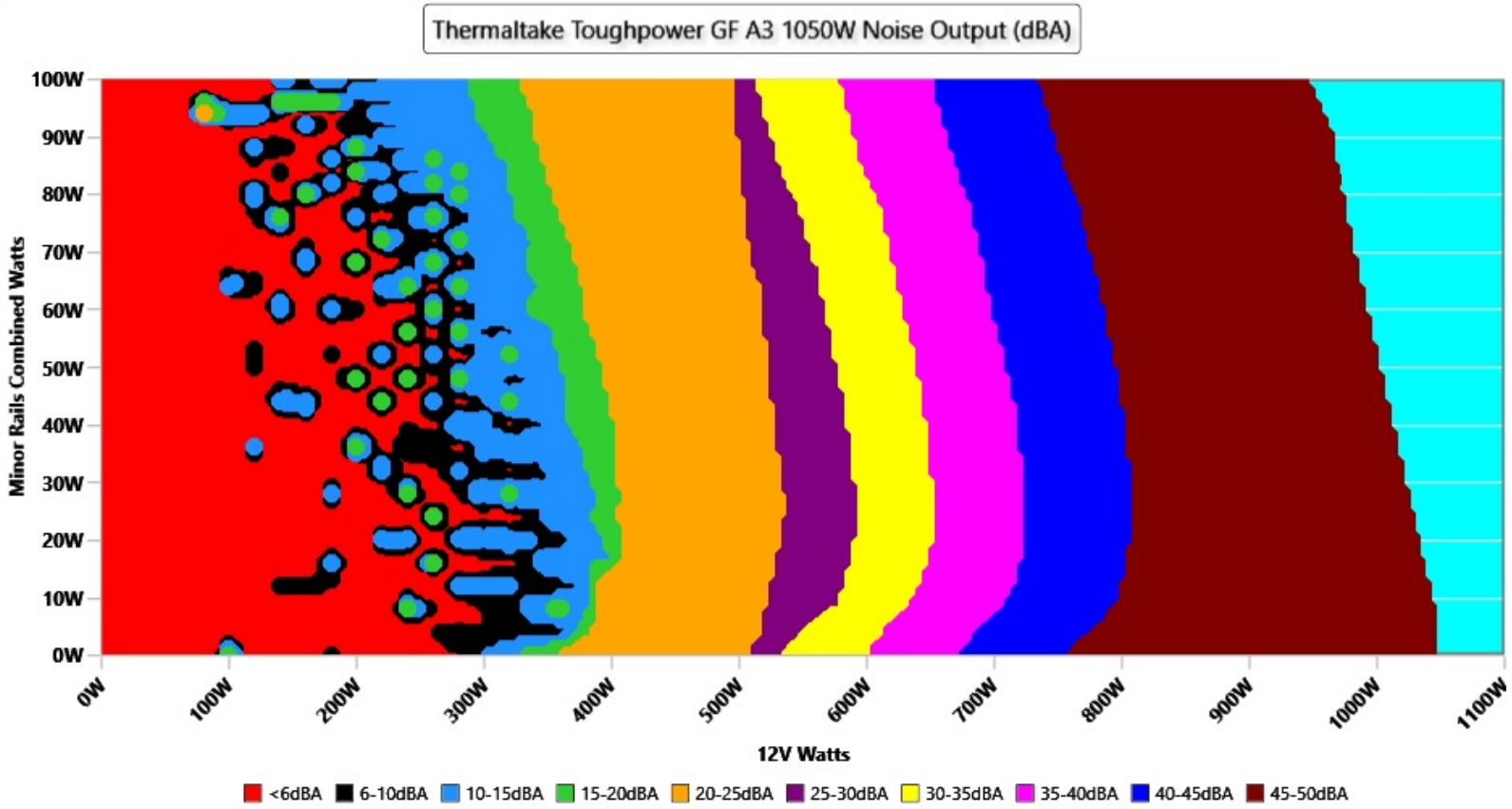
230V



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

□□□□□

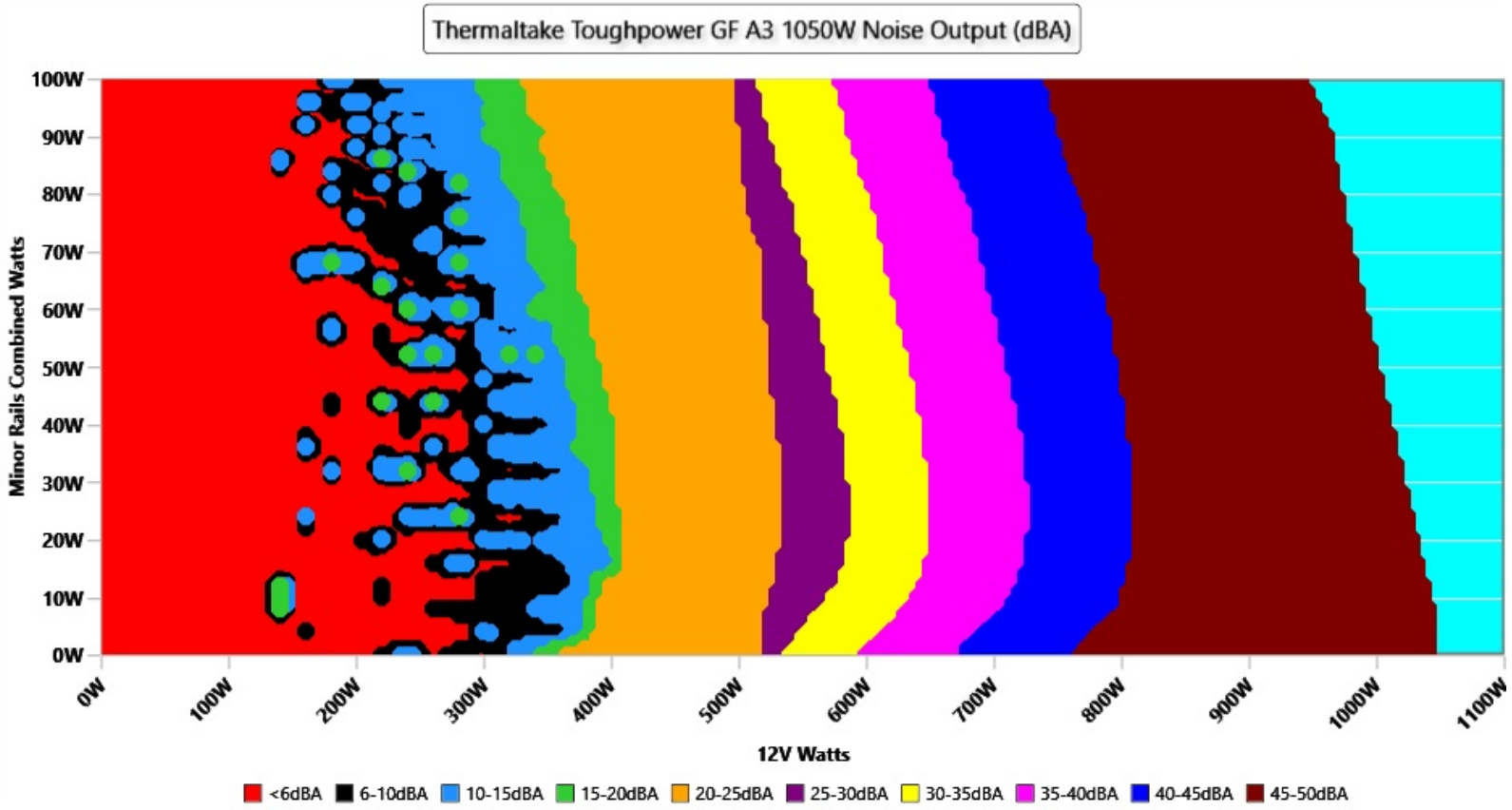
115V



□□

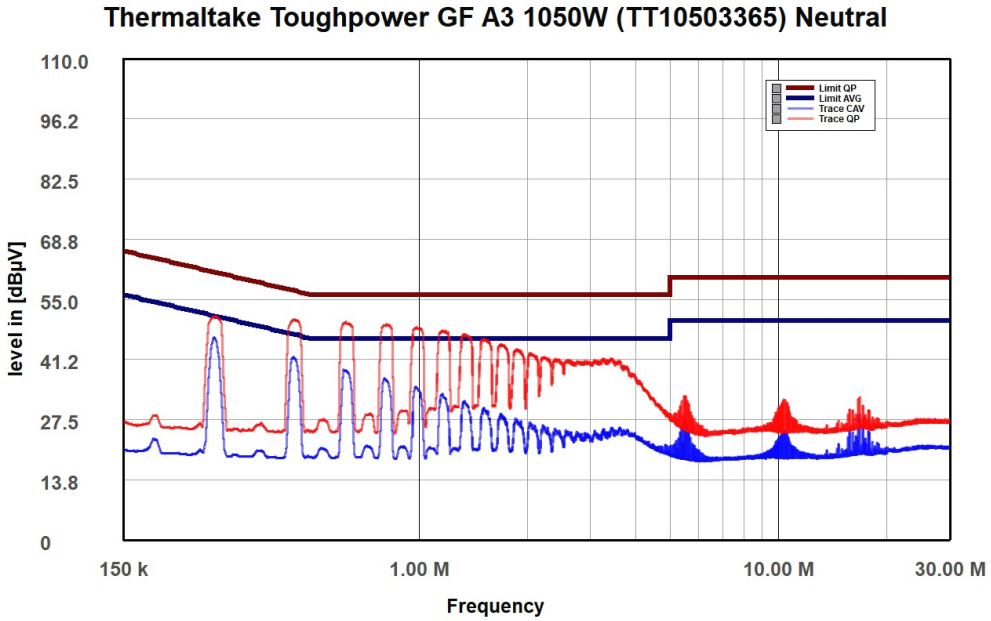
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

230V

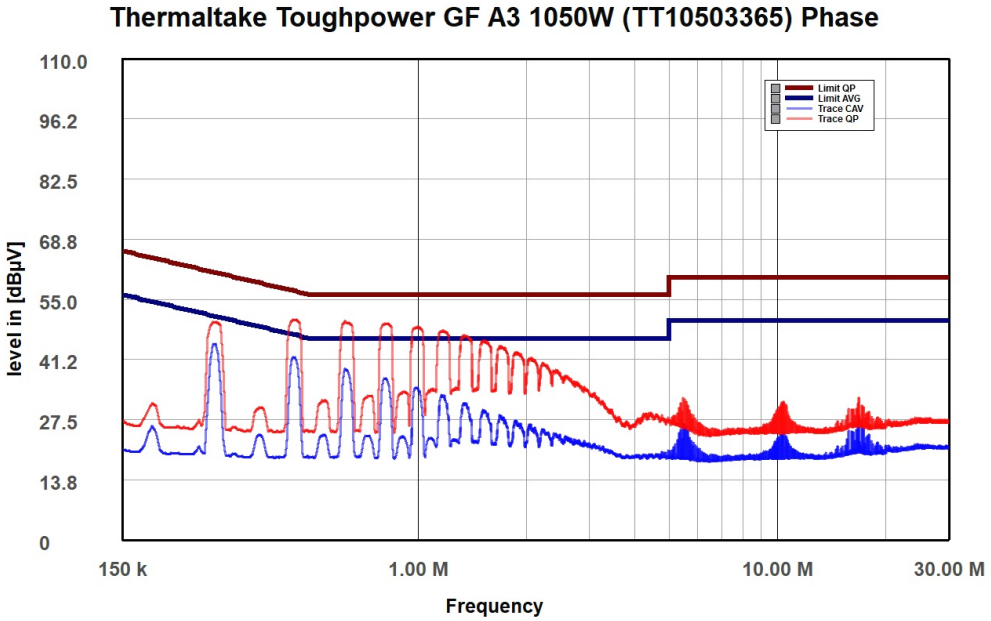


The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Conducted Emissions EN 55032 & CISPR 32

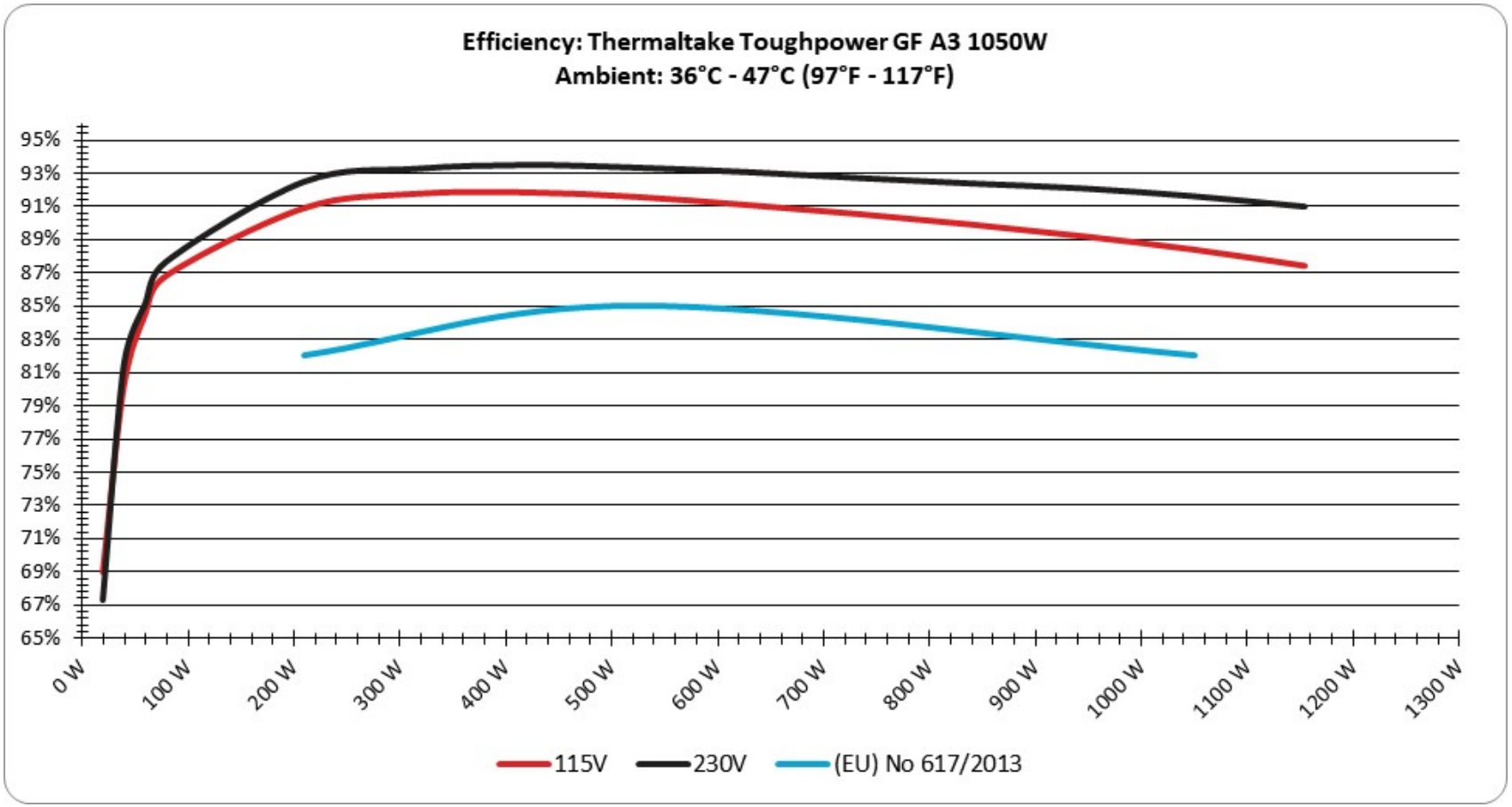


NEUTRAL



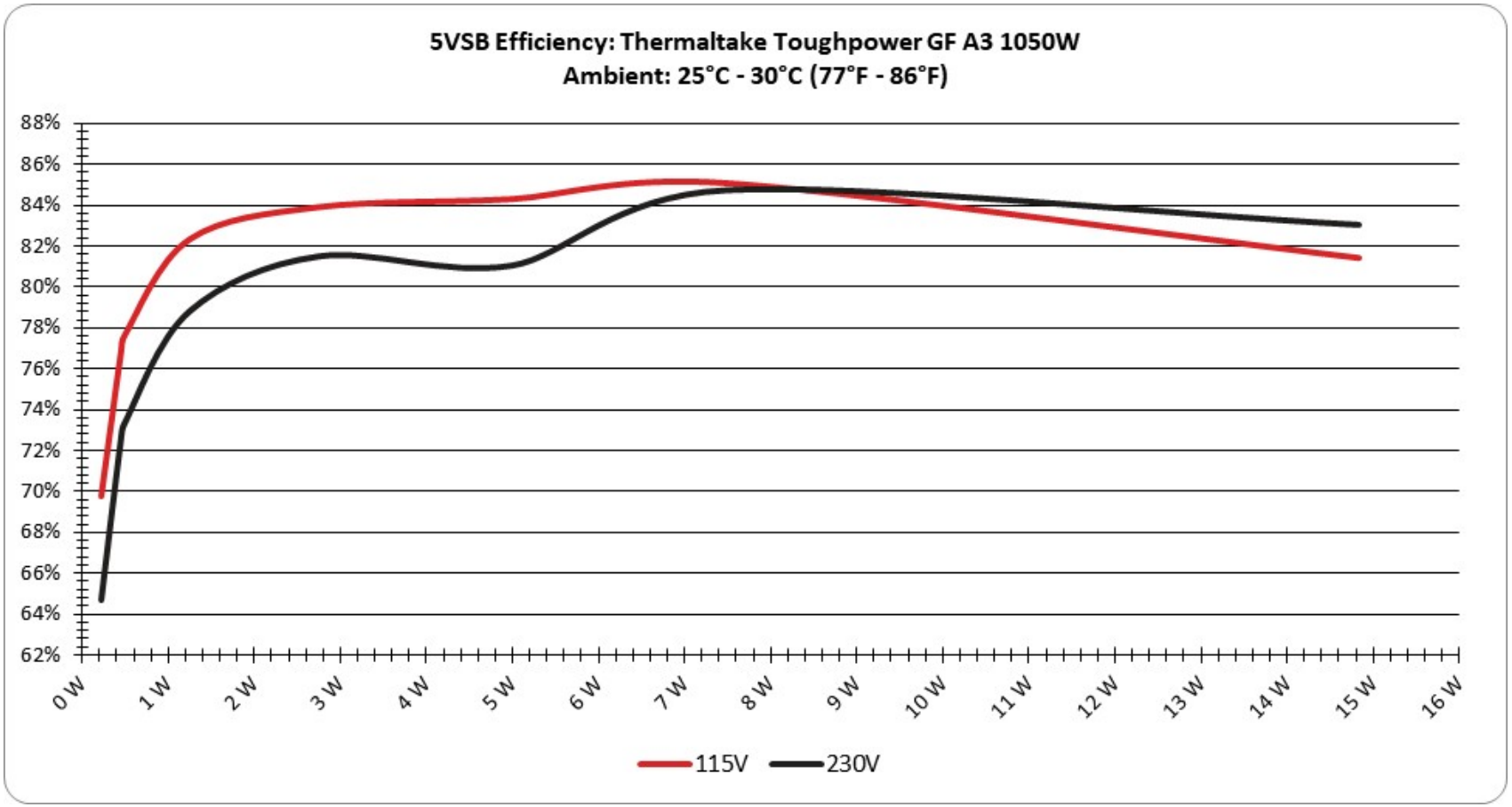
PHASE

Indicative Performance



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□□□□



□□

This graph depicts the efficiency levels of the 5VSB rail with 115V and 230V input

□□□□ □□ 5Vsb □□ (ErP Lot3/6 & CEC)

115V

□□ #	5VSB	DC/AC (□)	□□	PF/AC □□
1	**0.045A**	0.226W	69.746%	0.041
	5.02V	0.324W		115.11V
2	**0.09A**	0.452W	76.702%	0.074
	5.019V	0.589W		115.1V
3	**0.55A**	2.754W	83.912%	0.296
	5.008V	3.282W		115.1V
4	**1A**	4.996W	84.306%	0.386
	4.996V	5.926W		115.09V
5	**1.5A**	7.476W	85.086%	0.429
	4.984V	8.787W		115.09V
6	**3A**	14.832W	81.423%	0.49
	4.944V	18.216W		115.08V

230V

□□ #	5VSB	DC/AC (□)	□□	PF/AC □□
1	**0.045A**	0.226W	64.698%	0.014
	5.021V	0.349W		230.26V
2	**0.09A**	0.452W	72.43%	0.024
	5.02V	0.624W		230.27V
3	**0.55A**	2.754W	81.474%	0.124
	5.008V	3.38W		230.29V
4	**1A**	4.997W	81.023%	0.202
	4.997V	6.167W		230.3V
5	**1.5A**	7.477W	84.701%	0.256
	4.984V	8.827W		230.3V
6	**3A**	14.84W	83.01%	0.351
	4.947V	17.877W		230.3V

Protection Features

OCP (Normal @ 30.2°C)	12V: 107.60A (122.97%), 11.989V 5V: 23.2A (116.00%), 5.045V 3.3V: 22.70A (113.50%), 3.333V 5VSB: 6.5A (216.67%), 4.849V
OCP (Hot @ 41.8°C)	12V: 108.20A (123.66%), 11.980V 5V: 22.50A (112.50%), 5.046V 3.3V: 22.7A (113.50%), 3.337V 5VSB: 6A (200.00%), 4.861V
OPP (Normal @ 30.4°C)	1272.57W (121.20%)
OPP (Hot @ 41.9°C)	1272.60W (121.20%)
OTP	✓ (188°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 (Typical 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)

10-110%□□□□

115V

□□	12V	5V	3.3V	5VSB	DC/AC (□)	□□	□□□□ (RPM)	□□□□□□□ (dB[A])	□□ (□□ /□□)	PF/AC □□
10%	**6.907A**	**1.978A**	**1.972A**	**0.997A**	104.958	88.114%	562	9.1	40.45°C	0.963
	12.069V	5.056V	3.347V	5.016V	119.116				41.97°C	115.07V
20%	**14.845A**	**2.968A**	**2.96A**	**1.198A**	209.957	90.894%	795	18.4	40.53°C	0.978
	12.061V	5.054V	3.345V	5.008V	230.991				42.91°C	115.04V
30%	**23.138A**	**3.464A**	**3.455A**	**1.4A**	314.964	91.754%	919	22.7	41.46°C	0.982
	12.054V	5.053V	3.343V	4.999V	343.27				43.47°C	115V
40%	**31.406A**	**3.959A**	**3.95A**	**1.603A**	419.524	91.838%	937	23.2	41.79°C	0.987
	12.046V	5.053V	3.342V	4.99V	456.811				44.57°C	114.97V
50%	**39.400A**	**4.95A**	**4.94A**	**1.806A**	524.816	91.566%	1487	36.6	42.47°C	0.99
	12.038V	5.051V	3.34V	4.982V	573.155				44.95°C	114.94V
60%	**47.340A**	**5.942A**	**5.931A**	**2A**	629.277	91.077%	2022	44.2	42.89°C	0.992
	12.030V	5.05V	3.339V	4.976V	690.932				45.12°C	114.91V
70%	**55.360A**	**6.934A**	**6.922A**	**2.214A**	734.661	90.531%	2248	44.3	43.3°C	0.993
	12.022V	5.049V	3.338V	4.968V	811.505				45.77°C	114.87V
80%	**63.394A**	**7.924A**	**7.911A**	**2.316A**	839.462	89.909%	2254	44.3	43.82°C	0.994
	12.013V	5.048V	3.336V	4.966V	933.682				46.99°C	114.84V
90%	**71.840A**	**8.42A**	**8.393A**	**2.418A**	944.847	89.202%	2256	44.3	44.81°C	0.994
	12.004V	5.047V	3.336V	4.961V	1059.227				48.66°C	114.81V
100%	**80.032A**	**8.917A**	**8.906A**	**3.04A**	1049.652	88.399%	2261	44.4	45.37°C	0.994
	11.995V	5.046V	3.334V	4.934V	1187.405				50.11°C	114.79V
110%	**88.118A**	**9.909A**	**9.987A**	**3.038A**	1154.271	87.426%	2264	44.5	47.05°C	0.995
	11.983V	5.045V	3.334V	4.936V	1320.287				52.91°C	114.73V
CL1	**0.115A**	**11.923A**	**11.859A**	**0A**	101.28	83.583%	954	23.7	40.72°C	0.964
	12.058V	5.049V	3.347V	5.103V	121.173				43.79°C	115.08V

CL2	**0.115A**	**19.819A**	**0A**	**0A**	101.381	82.682%	929	23.0	41.16°C	0.964
	12.063V	5.046V	3.351V	5.14V	122.615				43.69°C	115.08V
CL3	**0.114A**	**0A**	**19.701A**	**0A**	67.375	77.02%	919	22.7	40.85°C	0.942
	12.060V	5.06V	3.35V	5.057V	87.478				43.31°C	115.08V
CL4	**87.400A**	**0A**	**0A**	**0A**	1049.47	88.857%	2276	44.7	45.87°C	0.994
	12.007V	5.057V	3.337V	5.044V	1181.072				49.44°C	114.77V

The results above are not used in the certification process

230V

□□	**12V**	**5V**	**3.3V**	**5VSB**	**DC/AC (□)**	□□	□□□□ **(RPM)**	□□□□□□□ **(dB[A])**	□□ **(□□ /□□)**	**PF/AC □□**
10%	**6.904A**	**1.978A**	**1.971A**	**0.997A**	104.933	89.479%	472	<6.0	40.35°C	0.799
	12.070V	5.056V	3.347V	5.016V	117.271				42.48°C	230.32V
20%	**14.841A**	**2.968A**	**2.96A**	**1.198A**	209.921	92.492%	568	9.5	40.97°C	0.906
	12.062V	5.054V	3.345V	5.008V	226.961				43.66°C	230.31V
30%	**23.133A**	**3.464A**	**3.455A**	**1.4A**	314.926	93.272%	916	22.5	41.38°C	0.939
	12.056V	5.053V	3.343V	4.999V	337.641				46.07°C	230.29V
40%	**31.398A**	**3.959A**	**3.949A**	**1.603A**	419.451	93.5%	936	23.2	41.69°C	0.955
	12.047V	5.053V	3.342V	4.99V	448.608				48.44°C	230.28V
50%	**39.394A**	**4.95A**	**4.94A**	**1.806A**	524.765	93.337%	1451	35.8	42.18°C	0.963
	12.039V	5.051V	3.34V	4.983V	562.225				47.98°C	230.27V
60%	**47.337A**	**5.943A**	**5.932A**	**2A**	629.252	93.07%	1894	42.4	42.51°C	0.969
	12.031V	5.049V	3.338V	4.976V	676.103				46.88°C	230.25V
70%	**55.360A**	**6.935A**	**6.925A**	**2.214A**	734.672	92.717%	2237	44.3	43.17°C	0.973
	12.023V	5.048V	3.336V	4.968V	792.379				45.61°C	230.22V
80%	**63.389A**	**7.926A**	**7.916A**	**2.316A**	839.482	92.389%	2245	44.3	43.86°C	0.976
	12.014V	5.047V	3.334V	4.965V	908.637				46.5°C	230.2V
90%	**71.830A**	**8.422A**	**8.399A**	**2.419A**	944.856	92.093%	2249	44.3	44.08°C	0.978
	12.006V	5.046V	3.333V	4.961V	1025.984				47.61°C	230.17V
100%	**80.025A**	**8.918A**	**8.908A**	**3.04A**	1049.646	91.616%	2269	44.5	45.9°C	0.98
	11.995V	5.046V	3.334V	4.935V	1145.706				53.28°C	230.16V

110%	**88.123A**	**9.909A**	**9.986A**	**3.038A**	1154.279	90.995%	2270	44.5	46.15°C	0.982
	11.983V	5.046V	3.334V	4.938V	1268.512				58.12°C	230.15V
CL1	**0.115A**	**11.923A**	**11.858A**	**0A**	101.284	84.883%	969	24.1	40.39°C	0.803
	12.058V	5.049V	3.347V	5.105V	119.322				46.4°C	230.32V
CL2	**0.115A**	**19.819A**	**0A**	**0A**	101.382	83.994%	926	22.8	40.25°C	0.805
	12.063V	5.045V	3.351V	5.144V	120.702				44.72°C	230.31V
CL3	**0.115A**	**0A**	**19.699A**	**0A**	67.377	78.42%	371	<6.0	40.32°C	0.725
	12.060V	5.061V	3.35V	5.058V	85.919				43.58°C	230.32V
CL4	**87.391A**	**0A**	**0A**	**0A**	1049.479	92.045%	2268	44.5	45.63°C	0.98
	12.009V	5.056V	3.336V	5.043V	1140.184				48.64°C	230.16V

The results above are not used in the certification process

20-80□□□□□

115V

□□	**12V**	**5V**	**3.3V**	**5VSB**	**DC/AC (□)**	□□	□□□□ **(RPM)**	□□□□□□□□ **(dB[A])**	□□ **(□□ /□□)**	**PF/AC □□**
20W	**1.230A**	**0.494A**	**0.493A**	**0.198A**	19.997	69.017%	0	<6.0	41.65°C	0.748
	12.079V	5.06V	3.349V	5.052V	28.974				36.08°C	115.11V
40W	**2.706A**	**0.692A**	**0.69A**	**0.297A**	39.997	80.27%	0	<6.0	44.21°C	0.878
	12.077V	5.059V	3.349V	5.047V	49.828				37.18°C	115.1V
60W	**4.184A**	**0.89A**	**0.887A**	**0.397A**	60	84.521%	0	<6.0	44.17°C	0.922
	12.075V	5.058V	3.349V	5.042V	70.988				38.41°C	115.09V
80W	**5.659A**	**1.088A**	**1.084A**	**0.496A**	79.947	86.836%	0	<6.0	45.73°C	0.945
	12.073V	5.057V	3.348V	5.037V	92.067				39.4°C	115.09V

The results above are not used in the certification process

230V

□□	12V	5V	3.3V	5VSB	DC/AC (□)	□□	□□□□ (RPM)	□□□□□□□ (dB[A])	□□ (□□ /□□)	PF/AC □□
20W	**1.230A**	**0.494A**	**0.492A**	**0.198A**	19.991	67.3%	0	<6.0	46.03°C	0.502
	12.068V	5.061V	3.352V	5.053V	29.705				36.35°C	230.31V
40W	**2.706A**	**0.692A**	**0.689A**	**0.297A**	39.992	81.51%	0	<6.0	41.51°C	0.558
	12.076V	5.06V	3.351V	5.048V	49.064				37.99°C	230.32V
60W	**4.185A**	**0.89A**	**0.886A**	**0.397A**	59.992	85.137%	0	<6.0	42.26°C	0.665
	12.074V	5.058V	3.349V	5.042V	70.466				38.58°C	230.33V
80W	**5.657A**	**1.088A**	**1.084A**	**0.496A**	79.925	87.692%	0	<6.0	42.63°C	0.741
	12.073V	5.057V	3.348V	5.037V	91.143				39.19°C	230.33V

The results above are not used in the certification process

□□□□

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	24.18mV	16.75mV	18.05mV	11.87mV	Pass
20% Load	26.09mV	18.29mV	18.72mV	12.34mV	Pass
30% Load	25.93mV	19.79mV	19.55mV	13.06mV	Pass
40% Load	24.95mV	19.42mV	19.39mV	13.57mV	Pass
50% Load	25.06mV	19.42mV	19.39mV	14.30mV	Pass
60% Load	25.52mV	20.50mV	19.75mV	14.92mV	Pass
70% Load	26.71mV	20.56mV	20.73mV	16.83mV	Pass
80% Load	28.15mV	23.18mV	23.22mV	17.24mV	Pass
90% Load	29.59mV	23.90mV	24.46mV	19.20mV	Pass
100% Load	41.56mV	37.40mV	37.28mV	27.00mV	Pass
110% Load	41.97mV	37.14mV	36.98mV	27.51mV	Pass
Crossload1	31.91mV	24.16mV	25.13mV	15.38mV	Pass
Crossload2	24.39mV	21.48mV	18.93mV	12.28mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	23.30mV	17.57mV	21.05mV	11.66mV	Pass
Crossload4	30.99mV	24.21mV	24.25mV	19.98mV	Pass

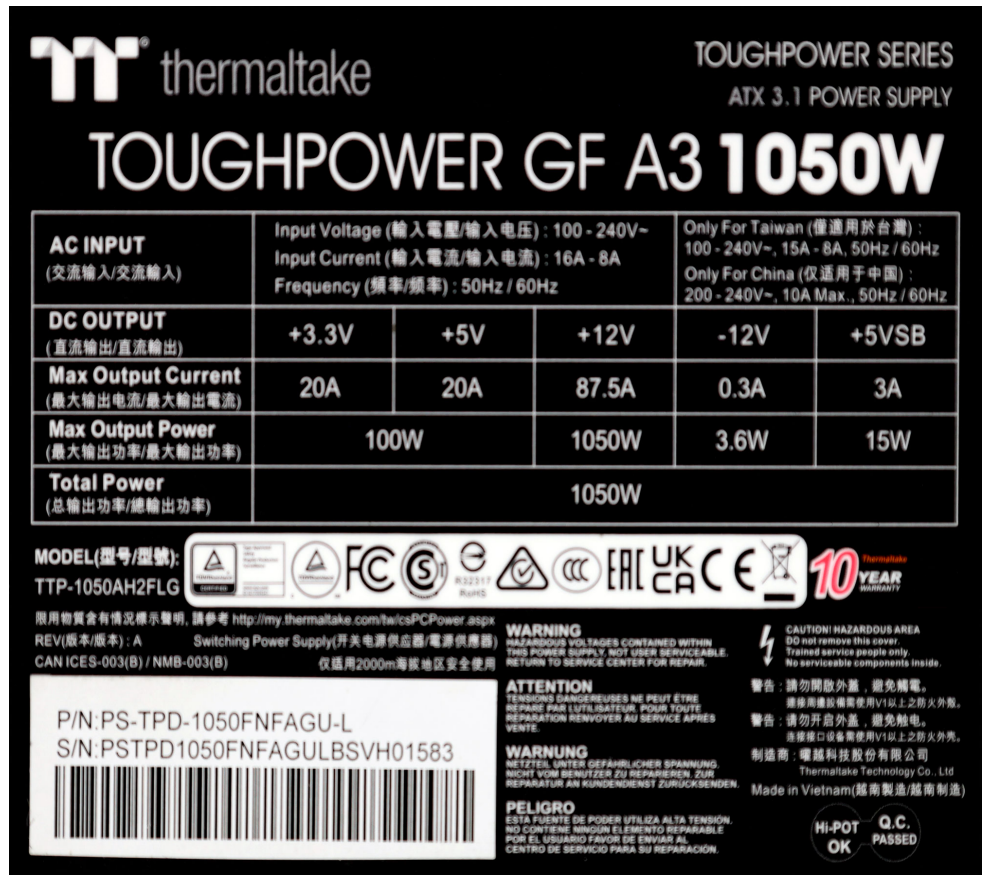
The results above are not used in the certification process

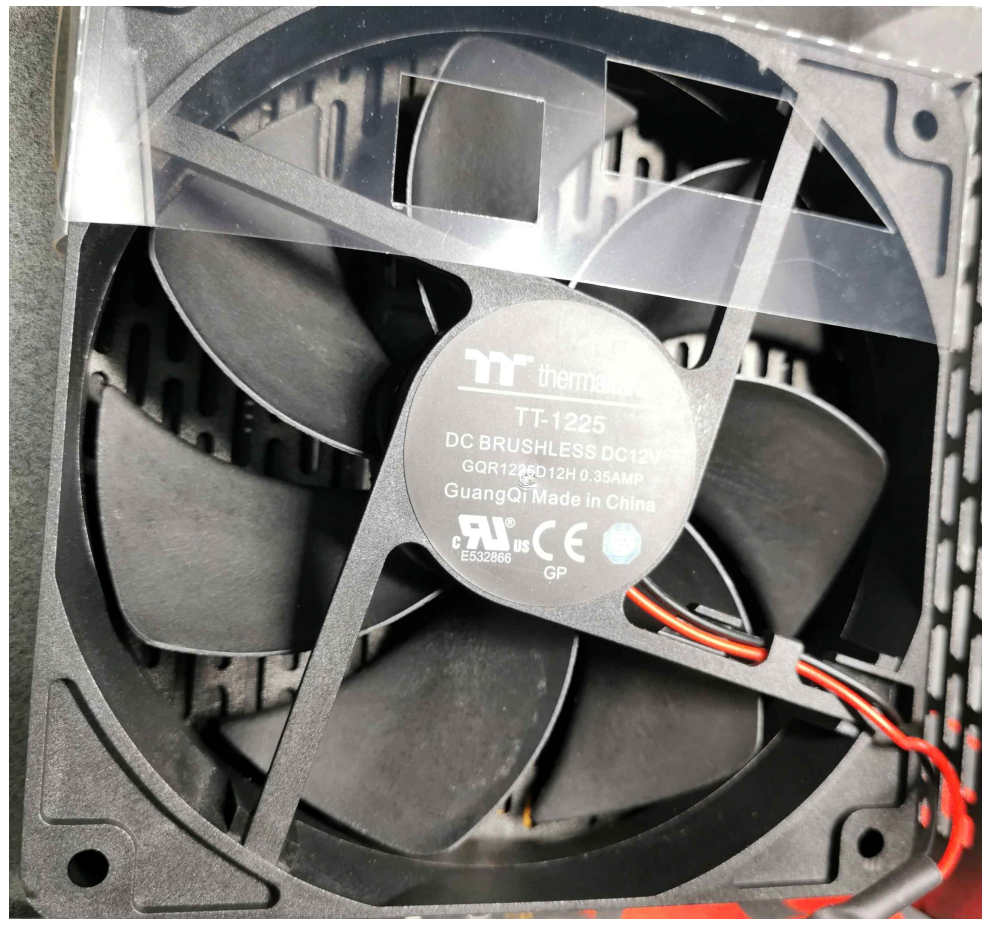
230V

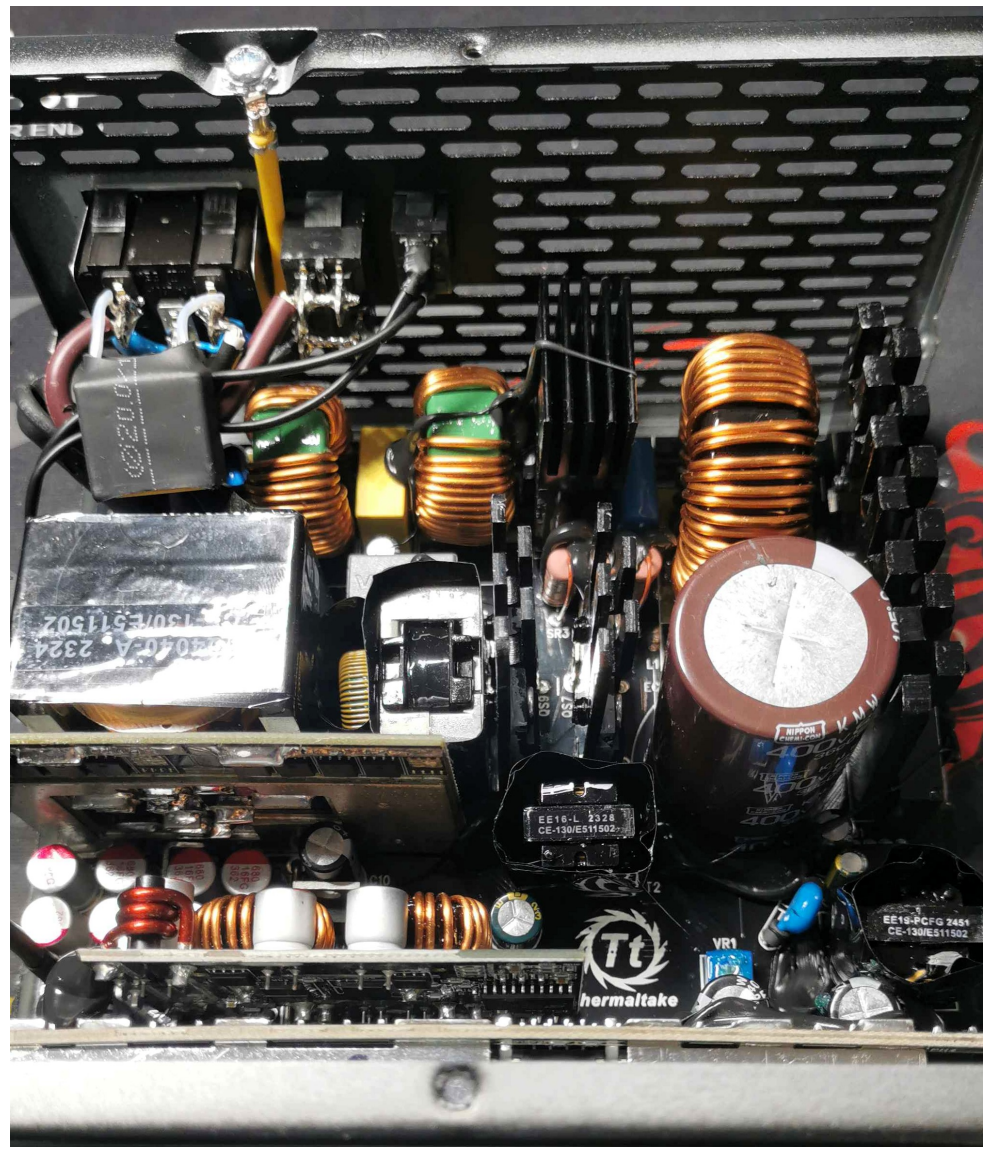
Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	23.66mV	17.51mV	17.84mV	12.54mV	Pass
20% Load	26.60mV	18.34mV	18.36mV	13.63mV	Pass
30% Load	25.99mV	19.32mV	19.65mV	14.30mV	Pass
40% Load	25.52mV	19.52mV	19.34mV	14.45mV	Pass
50% Load	25.52mV	19.68mV	19.75mV	15.69mV	Pass
60% Load	25.68mV	25.97mV	26.79mV	16.88mV	Pass
70% Load	27.17mV	21.17mV	21.10mV	16.26mV	Pass
80% Load	28.05mV	21.84mV	22.13mV	15.85mV	Pass
90% Load	28.56mV	22.51mV	22.65mV	16.93mV	Pass
100% Load	30.11mV	22.77mV	24.30mV	17.91mV	Pass
110% Load	43.46mV	35.80mV	37.13mV	26.07mV	Pass
Crossload1	33.00mV	26.48mV	28.70mV	18.07mV	Pass
Crossload2	24.38mV	21.43mV	17.79mV	12.54mV	Pass
Crossload3	22.43mV	16.85mV	20.73mV	11.77mV	Pass
Crossload4	30.52mV	21.22mV	20.06mV	16.98mV	Pass

The results above are not used in the certification process









Thermaltake Toughpower GF A3 1050W (CE-Link)

Top side

Power specifications label

Third Photo

Fourth Photo

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