Thermaltake Dockpower FI 1200W

Serial Number PSDCP1200FNFAGE2YGCY00158

Lab ID TT12003419

Certification ID 263419

Test Result Report ID: 26PS3419A

Certificate Issue Date: Sep 24, 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	Dockpower FI 1200W
OEM/ODM	Shenzhen Xinweiye Technology
Serial Number	PSDCP1200FNFAGE2YGCY00158
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240

Rated Current (Arms)	10-15
Rated Frequency (Hz)	50-60
Rated Power (W)	1200
Operating Temperature (Continuous Full Load) (°C)	0 - 40
Type	ATX12V
Cable Design	Fully Modular
Warranty	10 years
Cybenetics Measurements	
Dimensions (W x H x D)	150 x 86 x 160mm
Weight	1.70 kg (3.74 lb)
Cooling	135mm Rifle Bearing Fan (D14SH-12(L-S01))
Semi-Passive Operation	✗
Cybenetics Testing Information	
Lab ID	TT12003419
Date of receipt	Sep 7, 2026
Testing Date	Sep 21, 2026
Report Issued Date	Sep 24, 2026
DUT Notes	The same certification applies to both black and white units.
Engineer Name	Efstathios Papadopoulos
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 (550mm)	1	1	18AWG	Tinned Copper
4+4 pin EPS12V (700mm)	2	2	18AWG	Tinned Copper
6+2 pin PCIe (600mm)	1	1	18AWG	Tinned Copper
6+2 pin PCIe (600mm+150mm)	2	4	16-18AWG	Tinned Copper

Modular Cables				
12+4 pin PCIe (610mm) (600W)	2	2	16-24AWG	Tinned Copper
SATA (450mm+150mm+150mm)	2	6	18AWG	Tinned Copper
4-pin Molex (450mm+150mm+150mm+150mm)	1	4	18AWG	Tinned Copper
AC Power Cord (1400mm) - C13 coupler	1	1	3G 0.75mm²	

Protection Features

Over Voltage Protection	✓
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	20	20	100	3	0.3
	Watts	100		1200	15	3.6
Total Max. Power (W)		1200				

Parts Description

General Data	
Manufacturer (OEM)	Shenzhen Xinweiye Technology
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF72 5D20 (5 Ohm @ 25°C) & Relay

Bridge Rectifier	2x GBU2508 (800V, 25A @ 98°C)
APFC MOSFETs	2x Lonten LSB65R099GF (650V, 26A @ 100°C, Rds(on): 0.099Ohm)
APFC Boost Diode	Macrocore Semiconductor HX1D10065I (650V, 10A @ 135°C)
Bulk Cap(s)	1x LTEC (420V, 820uF 2000h @ 105°C, HP)
Main Switchers	2x Lonten LSD65R099GF (650V, 26A @ 100°C, Rds(on): 0.099Ohm)
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CM6901X
Topology	Primary side: APFC, Half-Bridge & LLC Resonant Converter Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	6x Toshiba TPHR8504PL1 (40V, 370A @ 25°C, Rds(on): 0.85mOhm)
5V & 3.3V	DC-DC Converters: 4x PTJ030N03LA PWM Controller(s): 2x ANPEC APW7164
Filtering Capacitors	Electrolytic: 7x JICON (2-5,000h @ 105°C, ZC) 2x JICON (5-8,000h @ 105°C, ZP) Polymer: 29x HEC
Supervisor IC	GRENERGY GR8313F
Fan Model	D14SH-12(L-S01) (135mm, 12V, 0.7A, Rifle Bearing Fan)
5VSB Circuit	
Rectifier	Pingwei PS1060L (60V, 10A)
Standby PWM Controller	Chipown PN8141

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	✓
Conducted Emissions EN 55032 & CISPR 32	Passed

Performance Summary

115V

Accredited	
Average Efficiency (>1450 load combinations)	89.842%
Average Noise Output (>1450 Load Combinations)	31.20dBA
Average PF (>1450 Load Combinations)	0.988
Efficiency With 10W (≤500W) or 2% (>500W) Load	72.569%
Standby Power Consumption	0.0517W
Non-Accredited	
12V Ripple (Full Load)	52.18mV
5V Ripple (Full Load)	40.03mV
3.3V Ripple (Full Load)	41.52mV
5VSB Ripple (Full Load)	36.03mV
12V Load Regulation	0.08%
5V Load Regulation	0.30%
3.3V Load Regulation	0.66%
5VSB Load Regulation	4.74%
Inrush Current	34.550A

230V

Accredited	
Average Efficiency (>1450 load combinations)	92.132%
Average Noise Output (>1450 Load Combinations)	30.44dBA
Average PF (>1450 Load Combinations)	0.957
Efficiency With 10W (≤500W) or 2% (>500W) Load	73.211%

Standby Power Consumption		0.1179W
Non-Accredited		
12V Ripple (Full Load)		54.85mV
5V Ripple (Full Load)		43.53mV
3.3V Ripple (Full Load)		47.32mV
5VSB Ripple (Full Load)		36.18mV
12V Load Regulation		0.08%
5V Load Regulation		0.32%
3.3V Load Regulation		0.69%
5VSB Load Regulation		4.77%
Inrush Current		74.370A
12V Transient Response (200%)		11.29V
5V Transient Response (200%)		4.905V
3.3V Transient Response (200%)		3.191V
5VSB Transient Response (200%)		4.869V
Hold-Up Time & PWR_OK Signal		16.90ms
AC Loss to PWR_OK Hold Up Time		13.10ms
PWR_OK Inactive to DC Loss Delay		3.80ms
PSU Timings: T1 (20% / 100%)	63.0ms	62.0ms
PSU Timings: T3 (20% / 100%)	115.0ms	115.0ms
12V OCP (29.6°C / 42.2°C)	121.100A (121.10%), 12.036V — shut down	121.000A (121.00%), 12.038V — shut down
5V OCP (29.6°C / 42.2°C)	29.500A (147.50%), 5.041V — shut down	28.400A (142.00%), 5.041V — shut down
3.3V OCP (29.6°C / 42.2°C)	29.200A (146.00%), 3.322V — shut down	28.700A (143.50%), 3.322V — shut down
5VSB OCP (29.6°C / 42.2°C)	5.100A (170.00%), 4.920V — shut down	5.000A (166.67%), 4.919V — shut down
OPP (29.05°C / 41.90°C)	121.34%	119.63%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	16.9
AC Loss to PWR_OK Hold Up Time (ms)	13.1
PWR_OK Inactive to DC Loss Delay (ms)	3.8

Stromverbrauch im Ruhezustand

Tables

115V

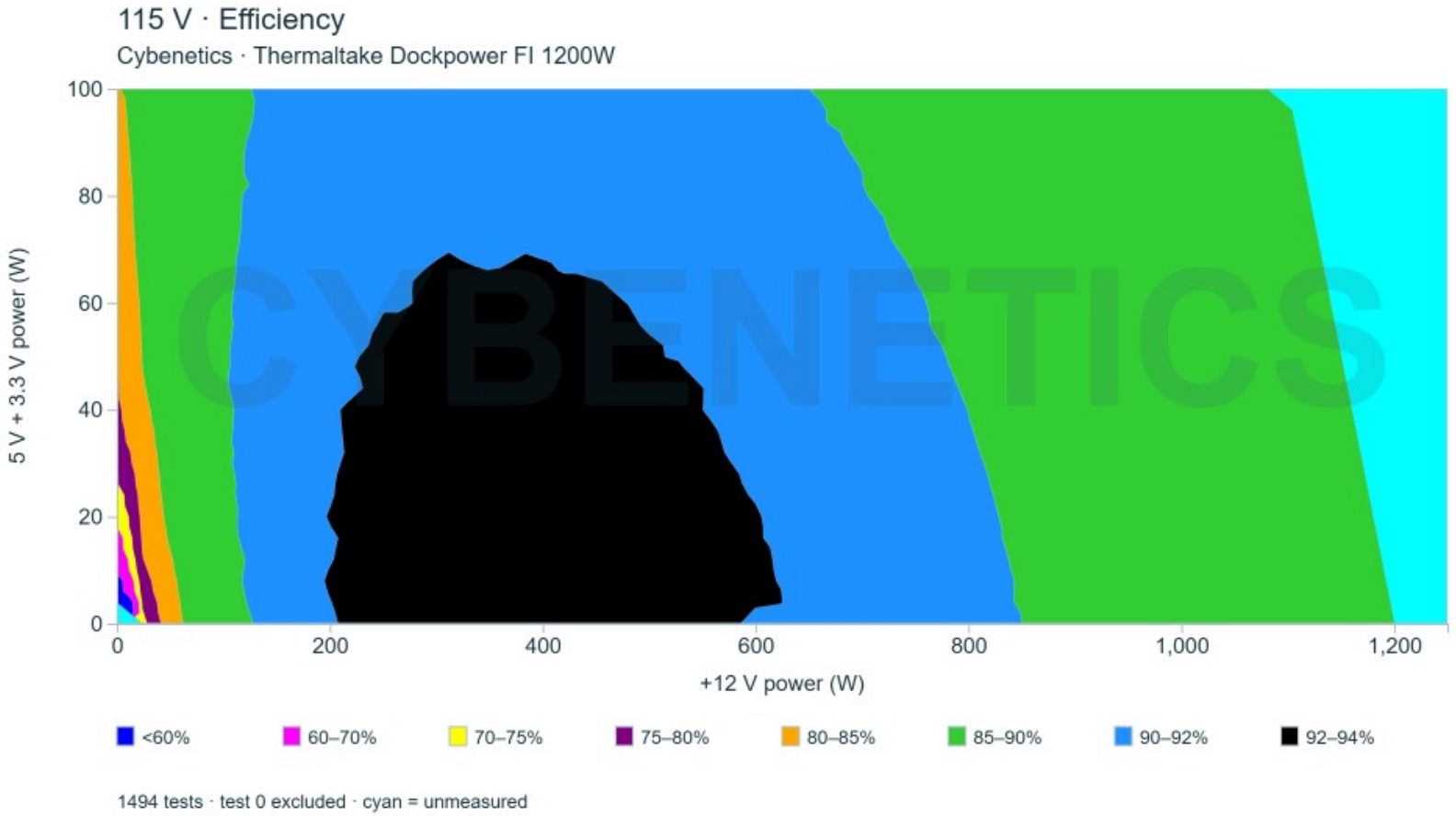
Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	114.95 V	114.93 V	113.85 V	114.98 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.94 Hz	59.40 Hz	60.01 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.416	1.415	1.340	1.416	1.490	PASS
Mains Voltage THD:	0.13 %	0.10 %	N/A	0.16 %	2.00 %	PASS
Real Power:	0.052 W	-0.003 W	N/A	0.093 W	N/A	N/A
Apparent Power:	10.340 W	10.316 W	N/A	10.365 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:	229.91 V	229.91 V	227.70 V	229.95 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:	0.118 W	0.078 W	N/A	0.203 W	N/A	N/A
Apparent Power:	34.009 W	33.966 W	N/A	34.046 W	N/A	N/A
Power Factor:	0.003	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

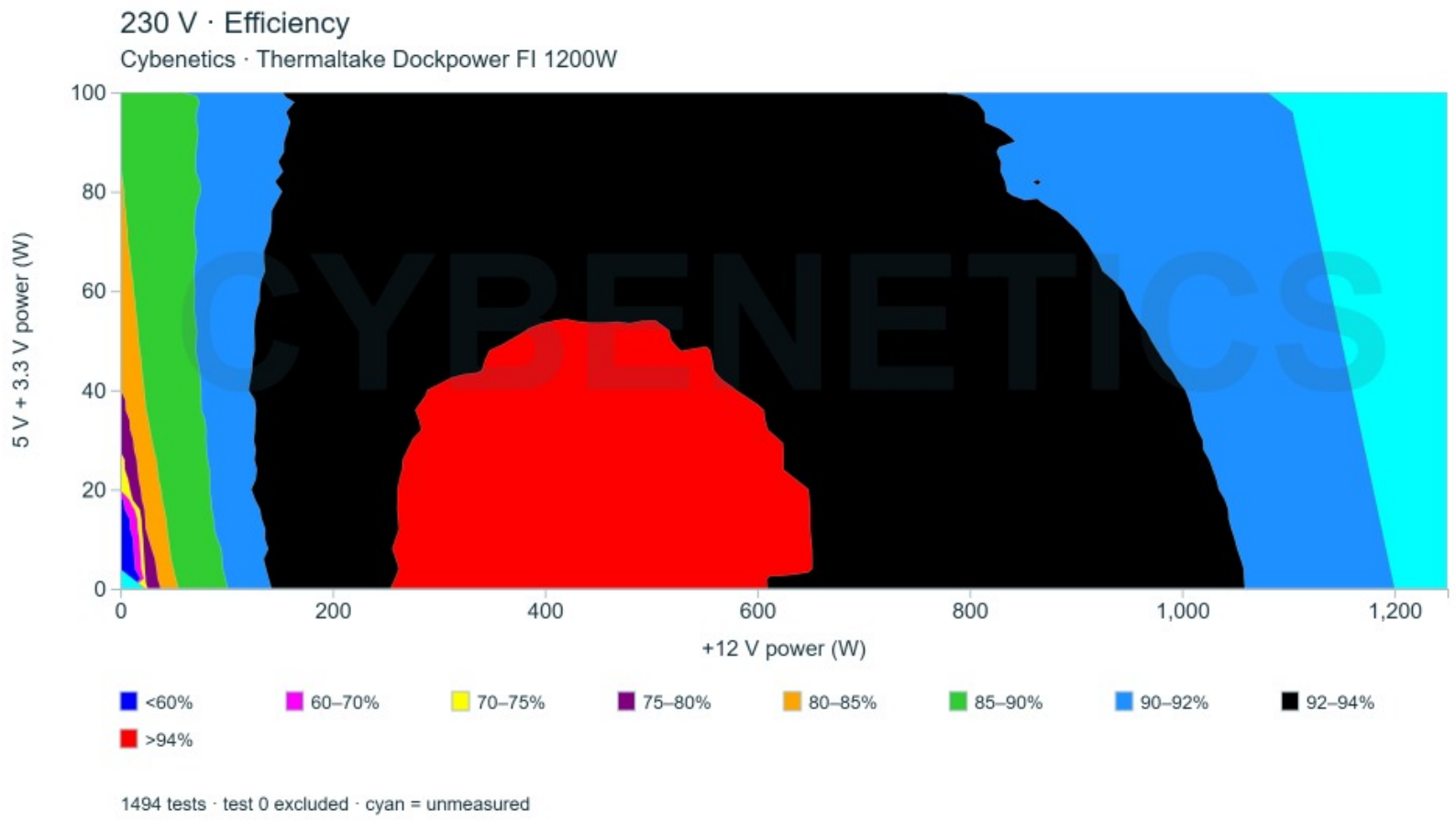
115V



INFO

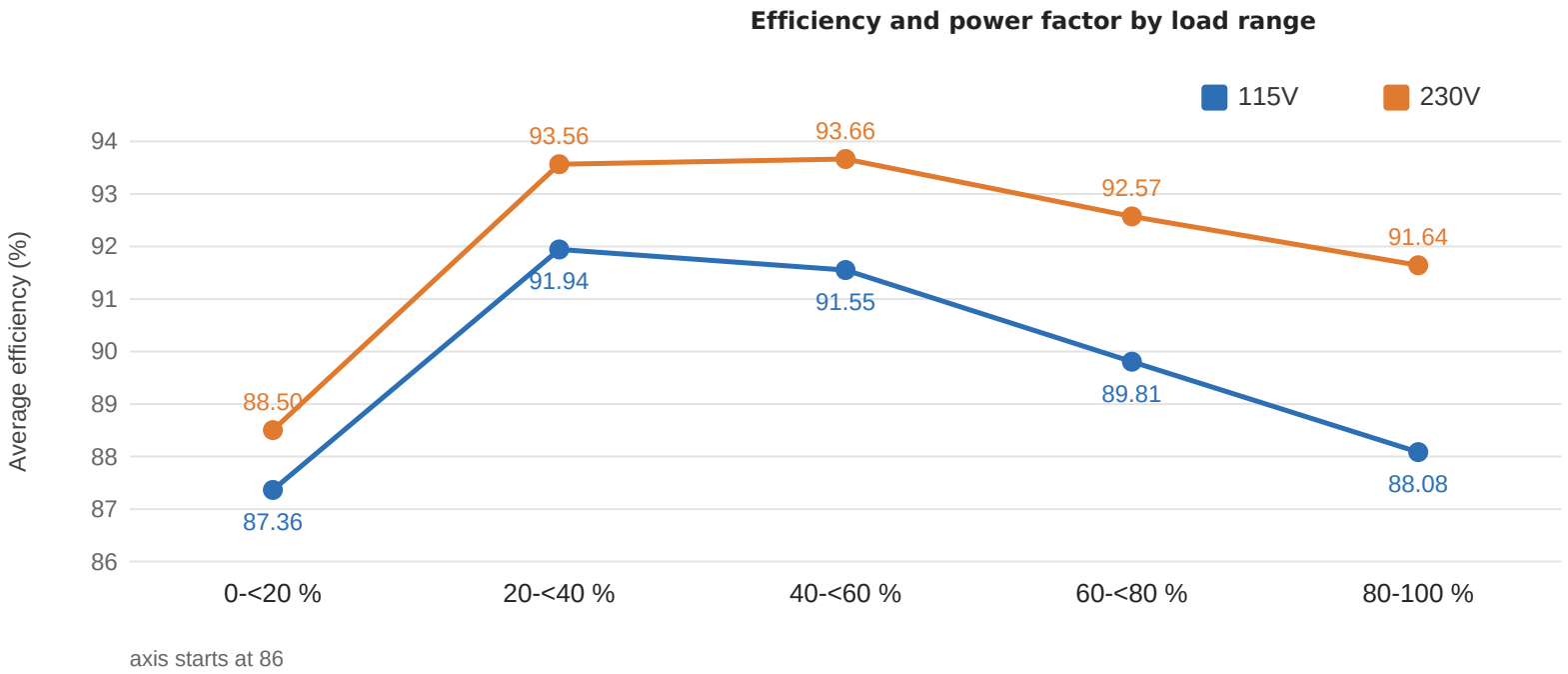
This graph depicts the PSU`s efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

230V

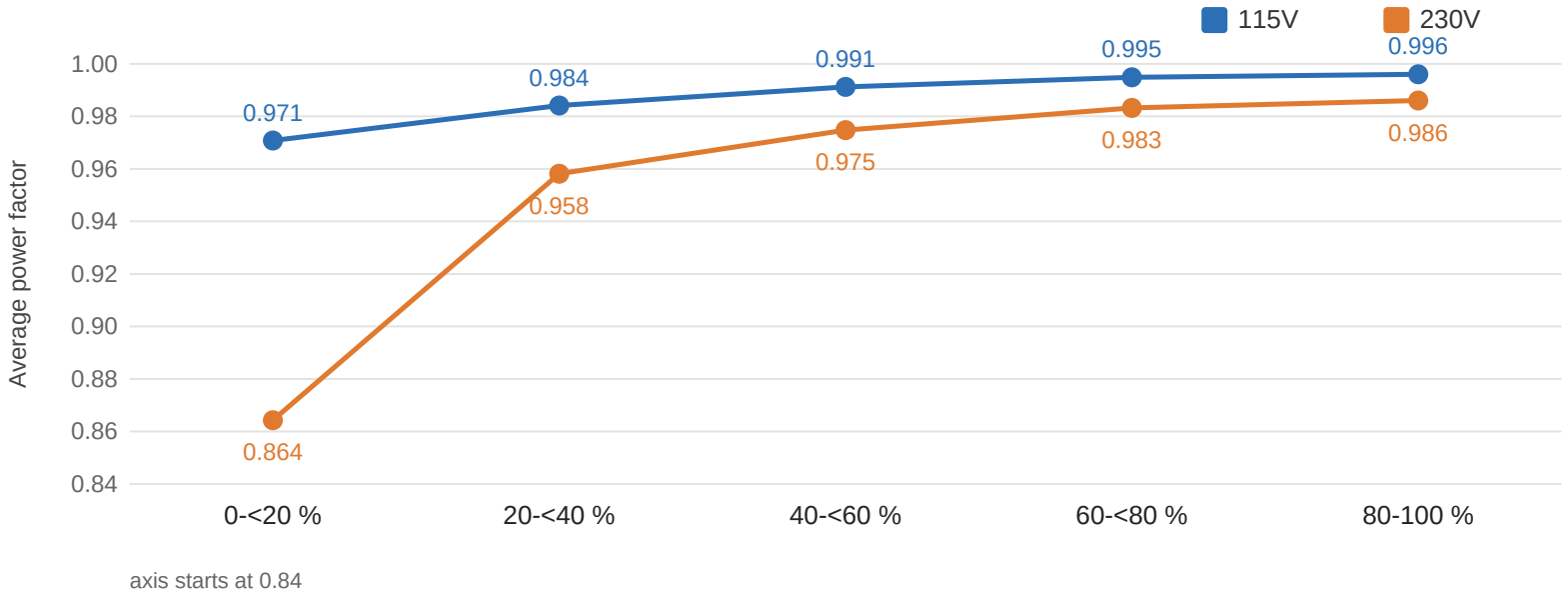


INFO

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



axis starts at 86



axis starts at 0.84

Load range	Points	Efficiency 115V	Efficiency 230V	PF 115V	PF 230V
0-<20 %	248 / 248	87.36%	88.50%	0.971	0.864
20-<40 %	310 / 310	91.94%	93.56%	0.984	0.958
40-<60 %	310 / 310	91.55%	93.66%	0.991	0.975
60-<80 %	310 / 310	89.81%	92.57%	0.995	0.983
80-100 %	316 / 316	88.08%	91.64%	0.996	0.986
70-100 % (High-Load)	471 / 471	88.51%	91.88%	0.996	0.985
All (published average)	1494 / 1494	89.84%	92.13%	0.988	0.957

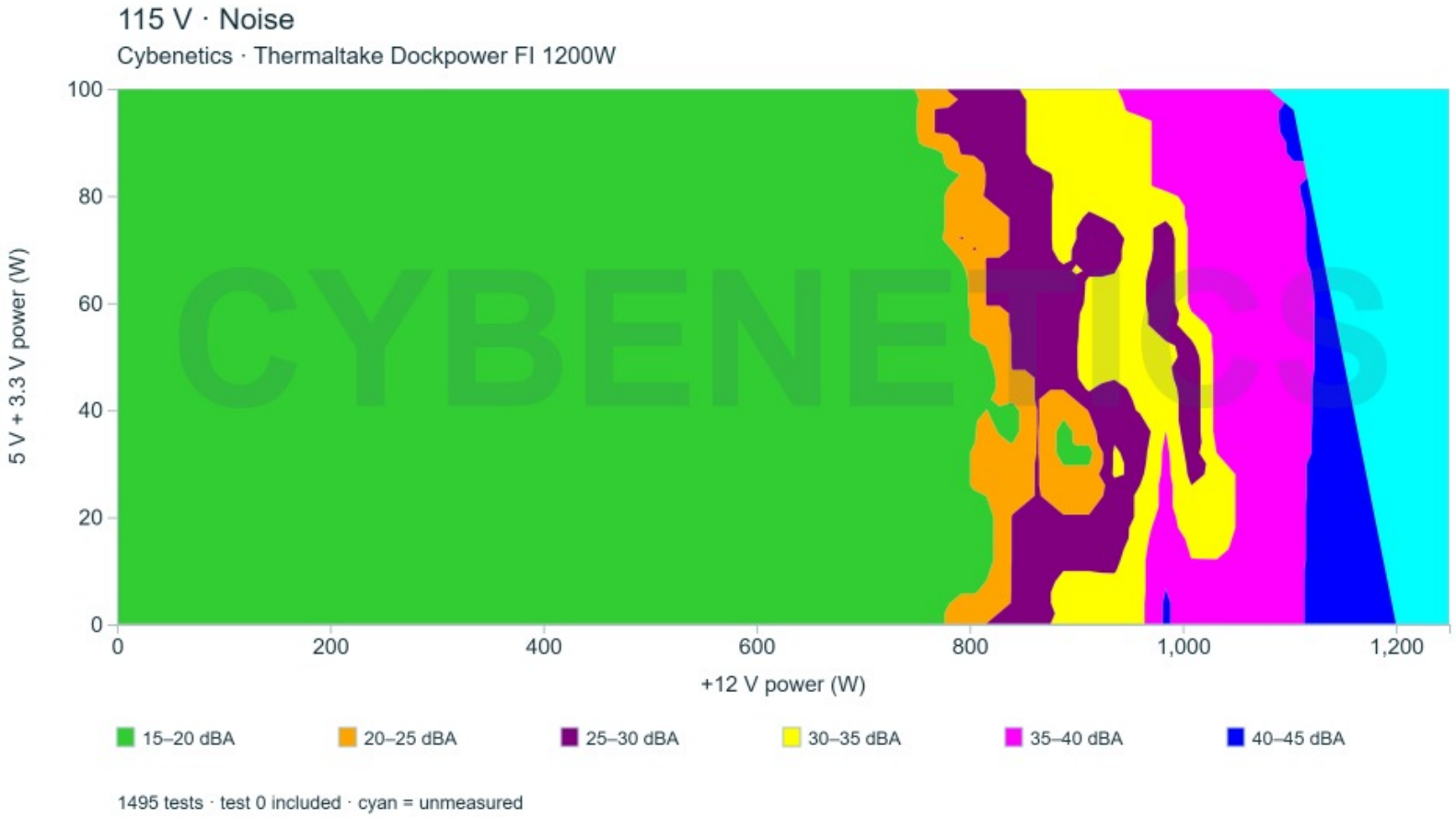
INFO

The average efficiency and power factor in five ranges of load. Calculated from the 1494 (115V) and 1494 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1200 W. These are plain averages of the valid readings, as for the ETA rating, so the ranges combined give back the published averages.

Informational. Not part of the ETA or LAMBDA rating.

Noise Graph

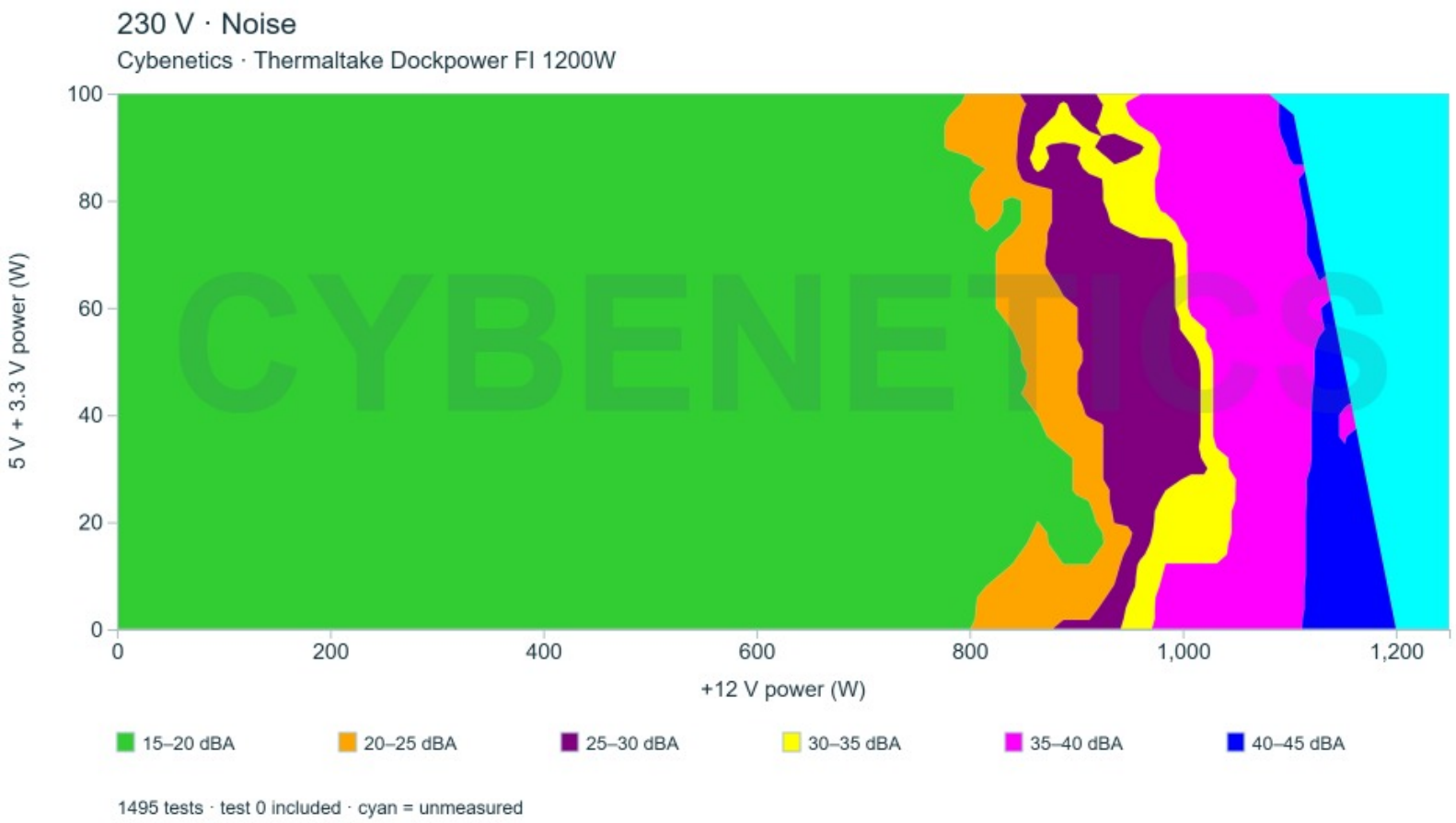
115V



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

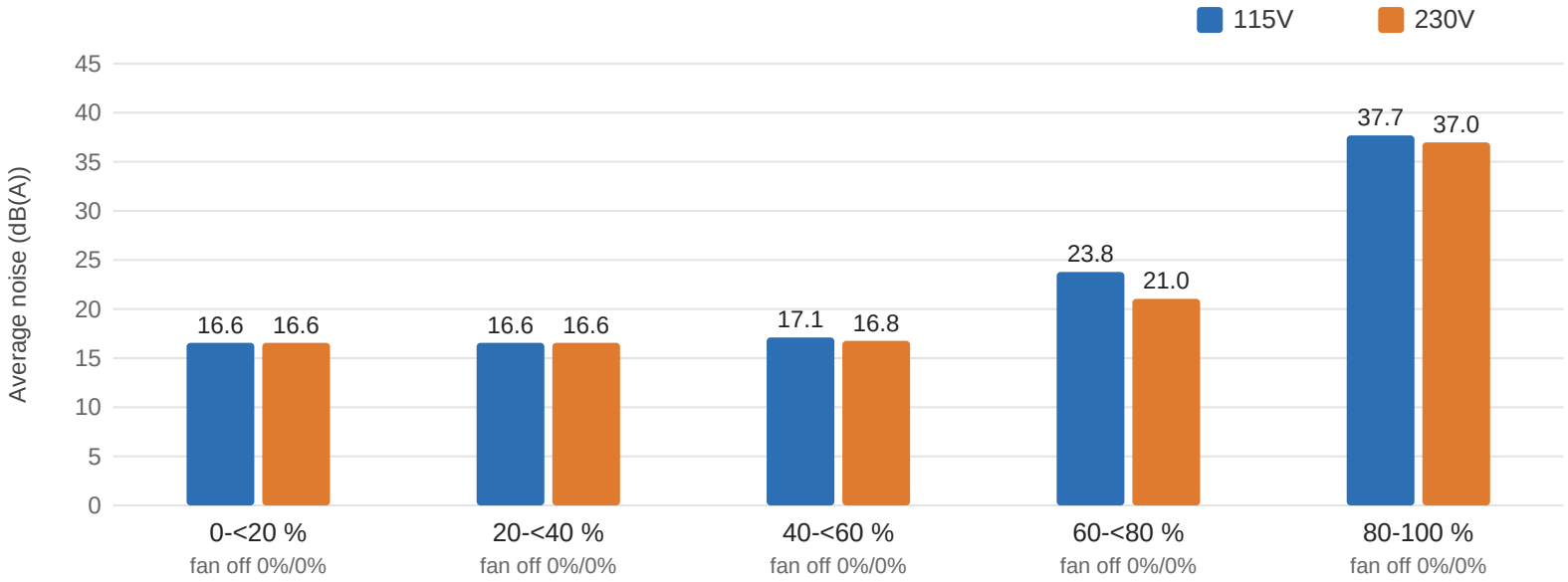
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Noise by load range

High-Load Index (70-100 % load)

Noise **36.1 dB(A)** at 115V and **35.3 dB(A)** at 230V · loudest point 44.8 dB(A)

Efficiency 88.51% / 91.88% · power factor 0.996 / 0.985 (115V / 230V)



Load range	Noise 115V avg (loudest)	Noise 230V avg (loudest)	Fan off 115V / 230V
0-<20 %	16.6 (16.6)	16.6 (16.6)	0% / 0%
20-<40 %	16.6 (16.6)	16.6 (16.6)	0% / 0%
40-<60 %	17.1 (18.0)	16.8 (18.0)	0% / 0%
60-<80 %	23.8 (33.8)	21.0 (33.0)	0% / 0%
80-100 %	37.7 (44.8)	37.0 (44.8)	0% / 0%
70-100 % (High-Load)	36.1 (44.8)	35.3 (44.8)	0% / 0%
All (published average)	31.2 (44.8)	30.4 (44.8)	0% / 0%

INFO

The average noise in five ranges of load, the share of points with the fan stopped (semi-passive operation), and the High-Load Index: the same figures for all points at 70 % of the rated output and above. Calculated from the 1494 (115V) and 1494 (230V) load combinations of the certification sweep, the same data that ETA and LAMBDA use (test 0 excluded). Load is the total DC output as a share of the rated 1200 W. Noise is averaged on the energy scale, as for LAMBDA, so the ranges combined give back the published average noise. Each load combination is held for about five seconds; the stabilized readings at fixed loads are under "Noise under high ambient temperature". Below 6 dB(A), the floor of our sound meter, the table and the chart show <6.0. In the averages a stopped fan counts as 5 dB(A),

as in the published average.

Informational. Not part of the ETA or LAMBDA rating.

Noise under high ambient temperature (indicative)

115V

Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	600 RPM · 16.9 dB(A) · 30.0 °C	1254 RPM · 35.1 dB(A) · 40.4 °C	**+18.2 dB(A)**
20%	599 RPM · 16.9 dB(A) · 30.2 °C	1269 RPM · 35.6 dB(A) · 40.7 °C	**+18.7 dB(A)**
50%	611 RPM · 17.1 dB(A) · 30.4 °C	1314 RPM · 36.2 dB(A) · 42.2 °C	**+19.1 dB(A)**
100%	1720 RPM · 43.7 dB(A) · 30.3 °C	2102 RPM · 49.0 dB(A) · 45.7 °C	**+5.3 dB(A)**

230V

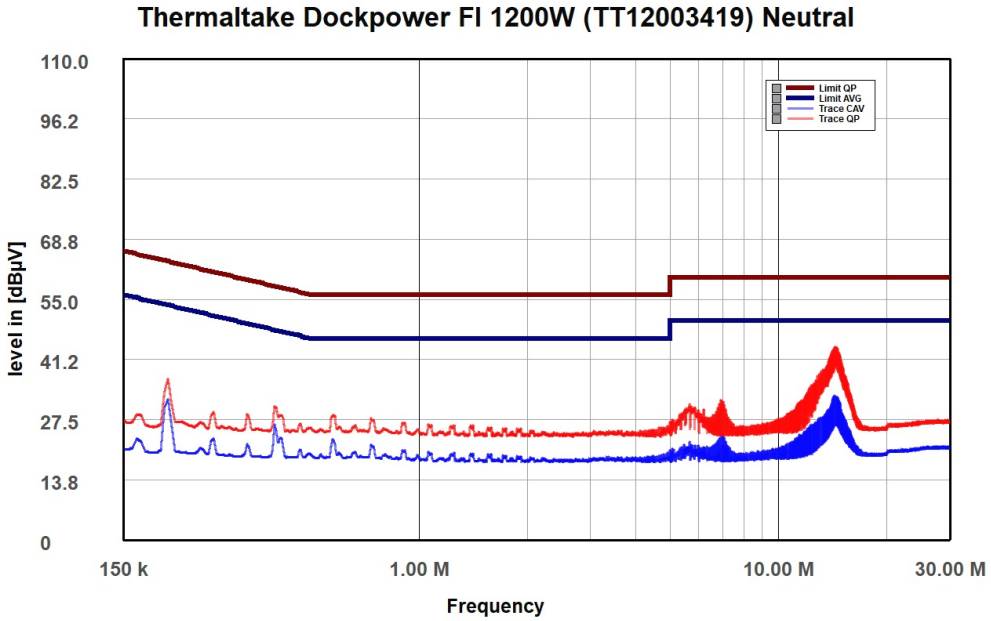
Load	Normal ambient fan · noise · intake	High ambient fan · noise · intake	Noise change
10%	597 RPM · 16.9 dB(A) · 30.0 °C	1249 RPM · 35.1 dB(A) · 40.1 °C	**+18.2 dB(A)**
20%	606 RPM · 17.1 dB(A) · 30.2 °C	1252 RPM · 35.1 dB(A) · 40.7 °C	**+18.0 dB(A)**
50%	608 RPM · 17.1 dB(A) · 30.8 °C	1313 RPM · 36.2 dB(A) · 42.1 °C	**+19.1 dB(A)**
100%	1677 RPM · 42.5 dB(A) · 31.0 °C	2080 RPM · 48.4 dB(A) · 45.3 °C	**+5.9 dB(A)**

INFO

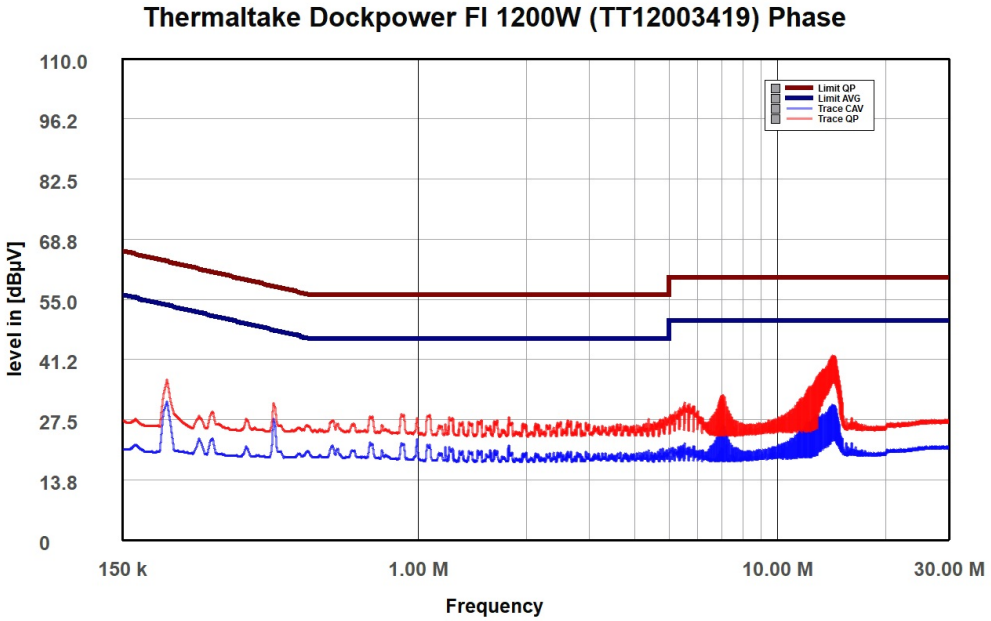
Fan speed, noise and the measured intake temperature at 10, 20, 50 and 100 % load, from the two load regulation tests: at normal ambient (about 30-32 °C) and at high ambient (about 40-47 °C). These are stabilized readings at fixed loads, not averages over the certification sweep, so they are indicative 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



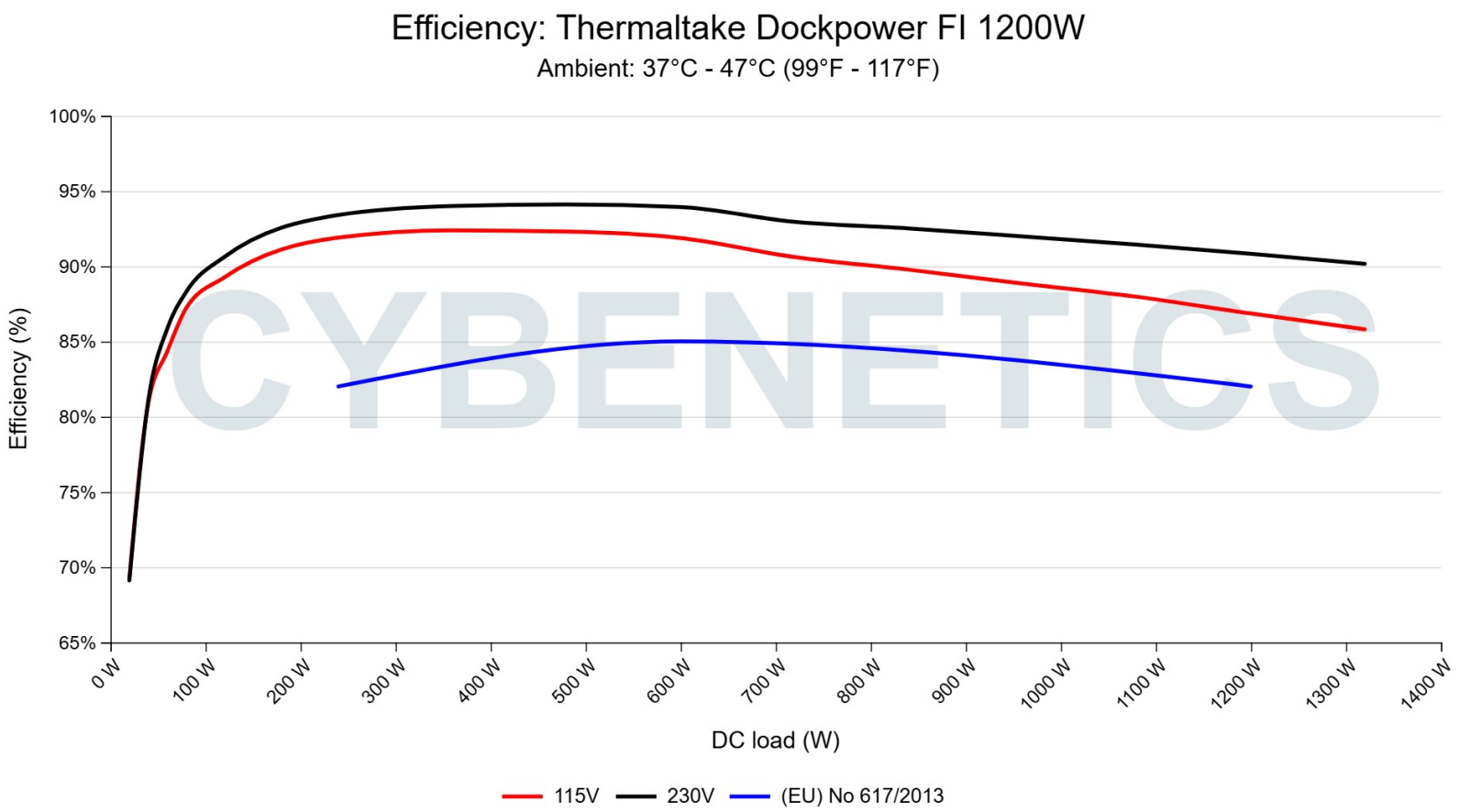
NEUTRAL



PHASE

Indicative Performance

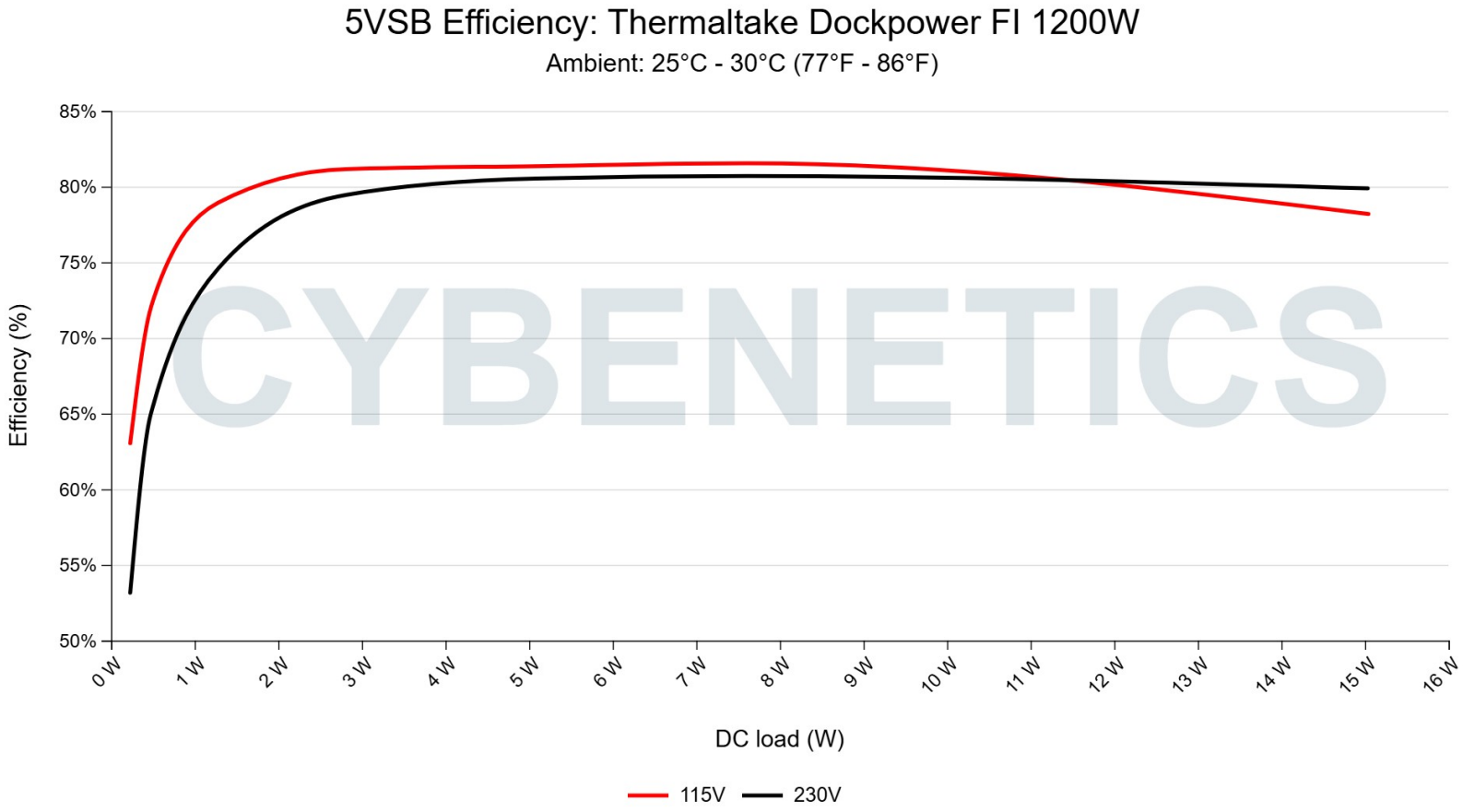
Efficiency under high ambient temperature



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**	0.231W	63.03%	0.035
	5.129V	0.366W		115.12V
2	**0.09A**	0.461W	71.641%	0.062
	5.127V	0.644W		115.11V
3	**0.55A**	2.809W	81.147%	0.262
	5.109V	3.462W		115.11V
4	**1A**	5.091W	81.341%	0.364
	5.092V	6.259W		115.11V
5	**1.5A**	7.609W	81.529%	0.42
	5.073V	9.333W		115.11V
6	**3A**	15.043W	78.178%	0.5
	5.015V	19.242W		115.1V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.045A**	0.231W	53.152%	0.013
	5.129V	0.434W		230.3V
2	**0.09A**	0.461W	64.59%	0.021
	5.128V	0.714W		230.31V
3	**0.55A**	2.809W	79.438%	0.1
	5.11V	3.537W		230.31V
4	**1A**	5.091W	80.521%	0.166
	5.092V	6.323W		230.31V
5	**1.5A**	7.608W	80.688%	0.224
	5.072V	9.428W		230.31V
6	**3A**	15.035W	79.868%	0.329
	5.013V	18.825W		230.31V

Protection Features

OCP (Normal @ 29.6°C)	12V: 121.1A (121.1%), 12.036V — shut down 5V: 29.5A (147.5%), 5.041V — shut down 3.3V: 29.2A (146%), 3.322V — shut down 5VSB: 5.1A (170%), 4.92V — shut down
OCP (Hot @ 42.2°C)	12V: 121A (121%), 12.038V — shut down 5V: 28.4A (142%), 5.041V — shut down 3.3V: 28.7A (143.5%), 3.322V — shut down 5VSB: 5A (166.67%), 4.919V — shut down
OVP (per rail)	12V: 13.752V (✓) 5V: 5.626V (✓) 3.3V: 3.791V (✓)
OPP (Normal @ 29.1°C)	1456.03W (121.34%) — shut down
OPP (Hot @ 41.9°C)	1435.53W (119.63%) — shut down
OTP	✓ (117°C @ 12V Heatsink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	Accurate but short
UVP (Typical Load @ 90V)	✓
UVP (No Damage @ 80V)	✓
Conducted Emissions EN 55032 & 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%	**8.168A**	**1.981A**	**1.966A**	**0.984A**	119.968	89.25%	1254	35.1	40.36B°C	0.979
	12.044V	5.048V	3.356V	5.081V	134.418				42.91B°C	115.07V
20%	**17.356A**	**2.972A**	**2.952A**	**1.185A**	239.917	91.897%	1269	35.6	40.65B°C	0.979
	12.043V	5.047V	3.354V	5.062V	261.071				43.87B°C	115.02V
30%	**26.823A**	**3.468A**	**3.446A**	**1.388A**	359.036	92.38%	1250	35.1	41.49B°C	0.985
	12.041V	5.045V	3.352V	5.043V	388.652				43.52B°C	114.98V
40%	**36.394A**	**3.965A**	**3.94A**	**1.592A**	479.412	92.294%	1287	35.8	41.76B°C	0.989
	12.041V	5.044V	3.35V	5.024V	519.442				45.8B°C	114.93V
50%	**45.567A**	**4.958A**	**4.928A**	**1.799A**	599.181	91.873%	1314	36.2	42.17B°C	0.991
	12.041V	5.043V	3.348V	5.003V	652.185				46.07B°C	114.89V
60%	**54.787A**	**5.95A**	**5.915A**	**2A**	719.68	90.607%	1343	36.3	42.59B°C	0.994
	12.045V	5.042V	3.348V	4.98V	794.284				51.35B°C	114.85V
70%	**63.963A**	**6.944A**	**6.905A**	**2.218A**	839.445	89.768%	1310	36.2	43.16B°C	0.995
	12.044V	5.04V	3.346V	4.958V	935.124				53.51B°C	114.8V
80%	**73.222A**	**7.937A**	**7.898A**	**2.326A**	959.436	88.843%	1379	37.1	43.74B°C	0.996
	12.040V	5.038V	3.342V	4.942V	1079.919				54.28B°C	114.75V
90%	**82.805A**	**8.438A**	**8.387A**	**2.435A**	1079.25	87.968%	1821	45.1	44.52B°C	0.996
	12.037V	5.036V	3.338V	4.928V	1226.865				54.72B°C	114.71V
100%	**92.193A**	**8.937A**	**8.903A**	**3.067A**	1199.277	86.858%	2102	49.0	45.69B°C	0.997
	12.036V	5.034V	3.336V	4.89V	1380.727				55.74B°C	114.66V
110%	**101.515A**	**9.934A**	**9.992A**	**3.074A**	1319.817	85.798%	2358	50.8	46.91B°C	0.997
	12.033V	5.032V	3.332V	4.878V	1538.277				55B°C	114.61V
CL1	**0.114A**	**11.937A**	**11.845A**	**0A**	101.264	84.476%	1288	35.8	40.3B°C	0.972
	12.046V	5.042V	3.351V	5.109V	119.874				46.43B°C	115.07V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	**0.114A**	**19.848A**	**0A**	**0A**	101.355	82.873%	1309	36.2	40.19B°C	0.974
	12.047V	5.037V	3.368V	5.114V	122.301				44.67B°C	115.07V
CL3	**0.114A**	**0A**	**19.743A**	**0A**	67.369	78.395%	1285	35.8	40.05B°C	0.969
	12.044V	5.052V	3.343V	5.112V	85.934				43.38B°C	115.09V
CL4	**99.699A**	**0A**	**0A**	**0.002A**	1199.903	87.681%	1842	44.9	46.26B°C	0.996
	12.035V	5.042V	3.345V	5.03V	1368.484				52.79B°C	114.66V

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%	**8.169A**	**1.981A**	**1.966A**	**0.984A**	119.981	90.61%	1249	35.1	40.12B°C	0.876
	12.044V	5.048V	3.357V	5.081V	132.414				42.41B°C	230.29V
20%	**17.359A**	**2.972A**	**2.952A**	**1.185A**	239.929	93.399%	1252	35.1	40.72B°C	0.941
	12.042V	5.047V	3.354V	5.061V	256.886				43.72B°C	230.27V
30%	**26.834A**	**3.468A**	**3.446A**	**1.388A**	359.086	93.994%	1298	36.2	41.3B°C	0.959
	12.039V	5.046V	3.352V	5.042V	382.032				42.25B°C	230.26V
40%	**36.402A**	**3.964A**	**3.94A**	**1.593A**	479.468	94.104%	1299	36.2	41.92B°C	0.97
	12.040V	5.045V	3.351V	5.023V	509.509				43.93B°C	230.24V
50%	**45.575A**	**4.957A**	**4.928A**	**1.799A**	599.236	93.931%	1313	36.2	42.13B°C	0.975
	12.040V	5.044V	3.349V	5.002V	637.955				45.29B°C	230.21V
60%	**54.801A**	**5.95A**	**5.916A**	**2A**	719.727	92.944%	1339	36.3	42.99B°C	0.981
	12.043V	5.043V	3.347V	4.981V	774.366				47.4B°C	230.19V
70%	**63.979A**	**6.944A**	**6.906A**	**2.218A**	839.483	92.506%	842	25.0	43.15B°C	0.984
	12.041V	5.041V	3.345V	4.959V	907.487				49.65B°C	230.17V
80%	**73.233A**	**7.938A**	**7.9A**	**2.326A**	959.453	91.974%	1407	37.9	43.77B°C	0.985
	12.039V	5.038V	3.341V	4.943V	1043.183				53.4B°C	230.15V
90%	**82.813A**	**8.437A**	**8.387A**	**2.435A**	1079.274	91.429%	1831	45.1	44.04B°C	0.986
	12.036V	5.036V	3.338V	4.927V	1180.451				54.59B°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%	**92.204A**	**8.937A**	**8.904A**	**3.068A**	1199.3	90.819%	2080	48.4	45.25B°C	0.988
	12.034V	5.034V	3.335V	4.889V	1320.536				54.29B°C	230.11V
110%	**101.528A**	**9.935A**	**9.993A**	**3.075A**	1319.901	90.151%	2351	50.8	46.39B°C	0.989
	12.032V	5.032V	3.332V	4.877V	1464.105				54.47B°C	230.08V
CL1	**0.116A**	**11.936A**	**11.841A**	**0A**	101.28	85.795%	1371	37.1	40.1B°C	0.858
	12.048V	5.043V	3.352V	5.109V	118.048				48.24B°C	230.29V
CL2	**0.114A**	**19.847A**	**0A**	**0A**	101.365	84.019%	1328	36.3	40.15B°C	0.862
	12.049V	5.038V	3.369V	5.114V	120.646				46.46B°C	230.29V
CL3	**0.114A**	**0A**	**19.74A**	**0A**	67.372	79.303%	1308	36.2	40.21B°C	0.793
	12.045V	5.053V	3.343V	5.112V	84.956				44.7B°C	230.3V
CL4	**99.696A**	**0A**	**0A**	**0.002A**	1199.935	91.427%	1845	44.9	45.53B°C	0.987
	12.035V	5.042V	3.344V	5.03V	1312.457				51.58B°C	230.1V

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	**1.232A**	**0.495A**	**0.492A**	**0.195A**	19.988	69.169%	1225	34.0	36.86B°C	0.864
	12.040V	5.048V	3.356V	5.122V	28.897				38.16B°C	115.1V
40W	**2.714A**	**0.693A**	**0.688A**	**0.293A**	39.99	80.9%	1243	35.1	37.81B°C	0.931
	12.044V	5.049V	3.358V	5.116V	49.431				36.65B°C	115.09V
60W	**4.195A**	**0.891A**	**0.885A**	**0.391A**	59.989	84.339%	1246	35.1	38.97B°C	0.956
	12.043V	5.048V	3.357V	5.111V	71.128				39.75B°C	115.08V
80W	**5.671A**	**1.089A**	**1.081A**	**0.49A**	79.921	87.221%	1239	34.3	39.13B°C	0.969
	12.043V	5.048V	3.357V	5.105V	91.631				40.05B°C	115.08V

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	**1.234A**	**0.495A**	**0.492A**	**0.195A**	19.993	69.117%	1211	34.0	36.54B°C	0.495
	12.037V	5.048V	3.356V	5.122V	28.926				38.53B°C	230.31V
40W	**2.715A**	**0.693A**	**0.688A**	**0.293A**	39.998	81.097%	1236	34.3	37.39B°C	0.647
	12.040V	5.049V	3.357V	5.116V	49.321				39.34B°C	230.29V
60W	**4.196A**	**0.891A**	**0.884A**	**0.391A**	59.998	85.861%	1263	35.6	38.24B°C	0.743
	12.042V	5.049V	3.358V	5.11V	69.878				39.32B°C	230.27V
80W	**5.672A**	**1.089A**	**1.081A**	**0.49A**	79.935	88.294%	1219	34.0	39.23B°C	0.805
	12.043V	5.05V	3.358V	5.105V	90.533				41.61B°C	230.28V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	28.82mV	21.02mV	18.10mV	12.91mV	Pass
20% Load	30.63mV	22.46mV	19.03mV	13.78mV	Pass
30% Load	31.40mV	23.03mV	20.79mV	14.76mV	Pass
40% Load	32.17mV	22.77mV	24.62mV	17.60mV	Pass
50% Load	34.28mV	23.44mV	24.98mV	18.22mV	Pass
60% Load	35.83mV	26.48mV	24.77mV	18.63mV	Pass
70% Load	36.76mV	26.74mV	26.69mV	21.42mV	Pass
80% Load	38.10mV	28.03mV	28.70mV	23.90mV	Pass
90% Load	52.23mV	43.02mV	42.09mV	31.49mV	Pass
100% Load	52.18mV	40.03mV	41.52mV	36.03mV	Pass
110% Load	45.16mV	31.17mV	33.15mV	29.83mV	Pass
Crossload1	29.28mV	23.55mV	23.99mV	16.41mV	Pass
Crossload2	30.68mV	25.97mV	26.99mV	16.41mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	27.38mV	23.91mV	20.58mV	15.38mV	Pass
Crossload4	44.61mV	34.18mV	20.51mV	38.25mV	Pass

The results above are not used in the certification process

230V

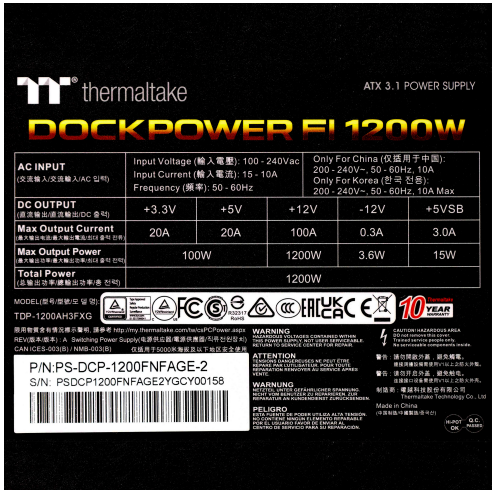
Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	30.42mV	21.79mV	19.91mV	12.65mV	Pass
20% Load	31.40mV	21.69mV	26.84mV	13.73mV	Pass
30% Load	30.11mV	22.31mV	26.37mV	15.59mV	Pass
40% Load	32.02mV	22.93mV	26.84mV	16.31mV	Pass
50% Load	34.39mV	25.14mV	23.32mV	18.58mV	Pass
60% Load	35.93mV	25.24mV	23.37mV	18.79mV	Pass
70% Load	35.37mV	26.12mV	24.98mV	21.42mV	Pass
80% Load	37.64mV	27.36mV	28.86mV	22.40mV	Pass
90% Load	40.37mV	30.45mV	33.61mV	27.72mV	Pass
100% Load	54.85mV	43.53mV	47.32mV	36.18mV	Pass
110% Load	48.52mV	35.86mV	40.03mV	32.47mV	Pass
Crossload1	32.02mV	26.38mV	28.49mV	17.81mV	Pass
Crossload2	31.76mV	26.07mV	31.03mV	16.26mV	Pass
Crossload3	27.53mV	24.11mV	23.58mV	15.64mV	Pass
Crossload4	39.08mV	26.33mV	28.70mV	27.46mV	Pass

The results above are not used in the certification process

Thermaltake Dockpower FI 1200W



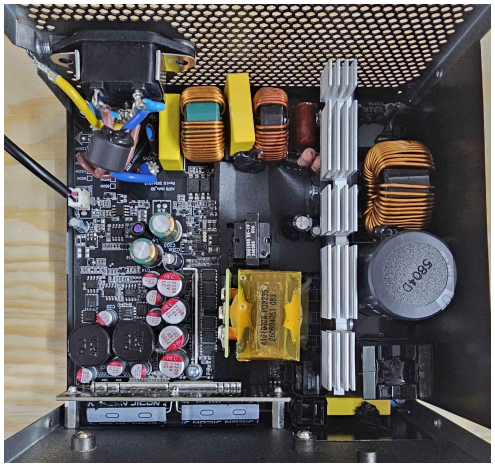
Top side



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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