



Montech Titan PLA 1200W White

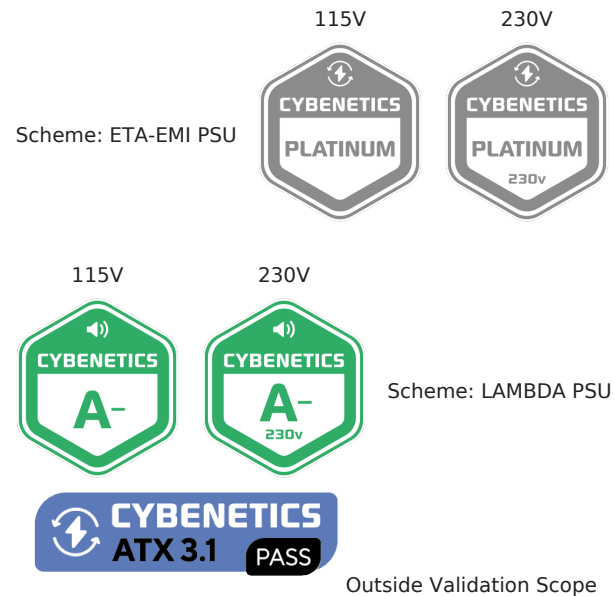
Serial Number

Lab ID MT12002423

Certification ID 252423

Test Result Report ID: 24PS2423A

Certificate Issue Date: Apr 26, 2024



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	Titan PLA 1200W White
OEM/ODM	Seasonic
Serial Number	
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	15-7.5

Rated Frequency (Hz)	50-60
Rated Power (W)	1200
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 (HA13525H12F-Z)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	MT12002423
Date of receipt	Apr 9, 2024
Testing Date	Apr 22, 2024
Report Issued Date	Apr 26, 2024
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 (615mm)	1	1	16-18AWG	No
4+4 pin EPS12V (710mm)	2	2	16AWG	No
6+2 pin PCIe (760mm)	3	3	16-18AWG	No
12+4 pin PCIe (760mm) (600W)	1	1	16-28AWG	No
SATA 3.3 (515mm+160mm)	1	2	18AWG	No
SATA (510mm+160mm+160mm+160mm)	2	8	18AWG	No
4-pin Molex (510mm+160mm+160mm+160mm)	1	4	18AWG	No

Power Specifications

Rail		3.3V	5V	12V	5VSB	-12V
Max. Power	Amps	25	25	100	3	0.3
	Watts	125		1200	15	3.6
Total Max. Power (W)		1200				

Parts Description

General Data	
Manufacturer (OEM)	Seasonic
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 5D-20 (5 Ohm) & Relay
Bridge Rectifier(s)	2x Vishay GBUE2560 (600V, 25A @ 140°C)
APFC MOSFETs	2x Toshiba TK31E60W (600V, 30.8A @ 25°C, Rds(on): 0.088Ohm)
APFC Boost Diode	1x Cree C6D10065 (650V, 10A @ 155°C)
Bulk Cap(s)	1x Rubycon (420V, 470uF, 3,000h @ 105°C, MXE) & 1x Rubycon (420V, 680uF, 3,000h @ 105°C, MXK)
Main Switchers	4x Infineon IPW60R120P7 (650V, 16A @ 100°C, Rds(on): 0.12Ohm)
APFC Controller	Champion CM6500UNX
Resonant Controller	Champion CU6901VAC
Topology	Primary side: APFC, Full-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	8x Nexperia PSMN1R0-40YLD (40V, 280A @ 25°C, Rds(on): 1.1mOhm)
5V & 3.3V	DC-DC Converters: 6x Nexperia PSMN4R0-30YLD (30V, 95A @ 25°C, Rds(on): 4mOhm) PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic: 3x Nichicon (2-5,000h @ 105°C, HD), 9x Nippon Chemi-Con (5-6,000h @ 105°C, KZH), 4x Rubycon (3-6,000h @ 105°C, YXG), Polymer: 31x FPCAP
Supervisor IC	Weltrend WT7527RA (OCP, OVP, UVP, SCP, PG)

Fan Controller	Nuvoton M031
Fan Model	Hong Hua HA13525H12F-Z (135mm, 12V, 0.5A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	1x
Standby PWM Controller	Excelliance MOS EM85690

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)	89.506%
Average Noise Output (>1450 Load Combinations)	27.37dBA
Average PF (>1450 Load Combinations)	0.978
Efficiency With 10W (≤500W) or 2% (>500W) Load	80.433%
Standby Power Consumption	0.0665W
Non-Accredited	
12V Ripple (Full Load)	23.65mV
5V Ripple (Full Load)	18.17mV
3.3V Ripple (Full Load)	22.02mV
5VSB Ripple (Full Load)	31.69mV
12V Load Regulation	1.06%
5V Load Regulation	0.70%

3.3V Load Regulation	1.06%
5VSB Load Regulation	2.42%
Inrush Current	33.660A

230V

Accredited		
Average Efficiency (>1450 load combinations)		91.665%
Average Noise Output (>1450 Load Combinations)		27.24dBA
Average PF (>1450 Load Combinations)		0.954
Efficiency With 10W ($\leq$ 500W) or 2% (>500W) Load		78.202%
Standby Power Consumption		0.1392W
Non-Accredited		
12V Ripple (Full Load)		25.22mV
5V Ripple (Full Load)		20.06mV
3.3V Ripple (Full Load)		21.77mV
5VSB Ripple (Full Load)		33.06mV
12V Load Regulation		1.04%
5V Load Regulation		0.68%
3.3V Load Regulation		1.09%
5VSB Load Regulation		2.42%
Inrush Current		64.600A
12V Transient Response (200%)		11.42V
5V Transient Response (200%)		4.906V
3.3V Transient Response (200%)		3.136V
5VSB Transient Response (200%)		4.889V
Hold-Up Time & PWR_OK Signal		26.60ms
AC Loss to PWR_OK Hold Up Time		22.10ms
PWR_OK Inactive to DC Loss Delay		4.50ms
PSU Timings: T1 (20% / 100%)	71.0ms	72.0ms
PSU Timings: T3 (20% / 100%)	124.0ms	126.0ms
12V OCP (27.9°C / 43.1°C)	134.60A (134.60%), 12.230V	128.20A (128.20%), 12.250V
5V OCP (27.9°C / 43.1°C)	34.5A (138.00%), 4.993V	34.3A (137.20%), 4.991V

3.3V OCP (27.9°C / 43.1°C)	32.9A (131.60%), 3.302V	32.9A (131.60%), 3.302V
5VSB OCP (27.9°C / 43.1°C)	6.3A (210.00%), 4.993V	6.3A (210.00%), 4.991V
OPP (28.52°C / 42.86°C)	135.76%	128.76%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	26.6
AC Loss to PWR_OK Hold Up Time (ms)	22.1
PWR_OK Inactive to DC Loss Delay (ms)	4.5

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	0.19 %	2.00 %	PASS
Real Power:	0.066 W	0.054 W	N/A	0.084 W	N/A	N/A
Apparent Power:	10.627 W	10.493 W	N/A	10.781 W	N/A	N/A
Power Factor:	0.006	N/A	N/A	N/A	N/A	N/A

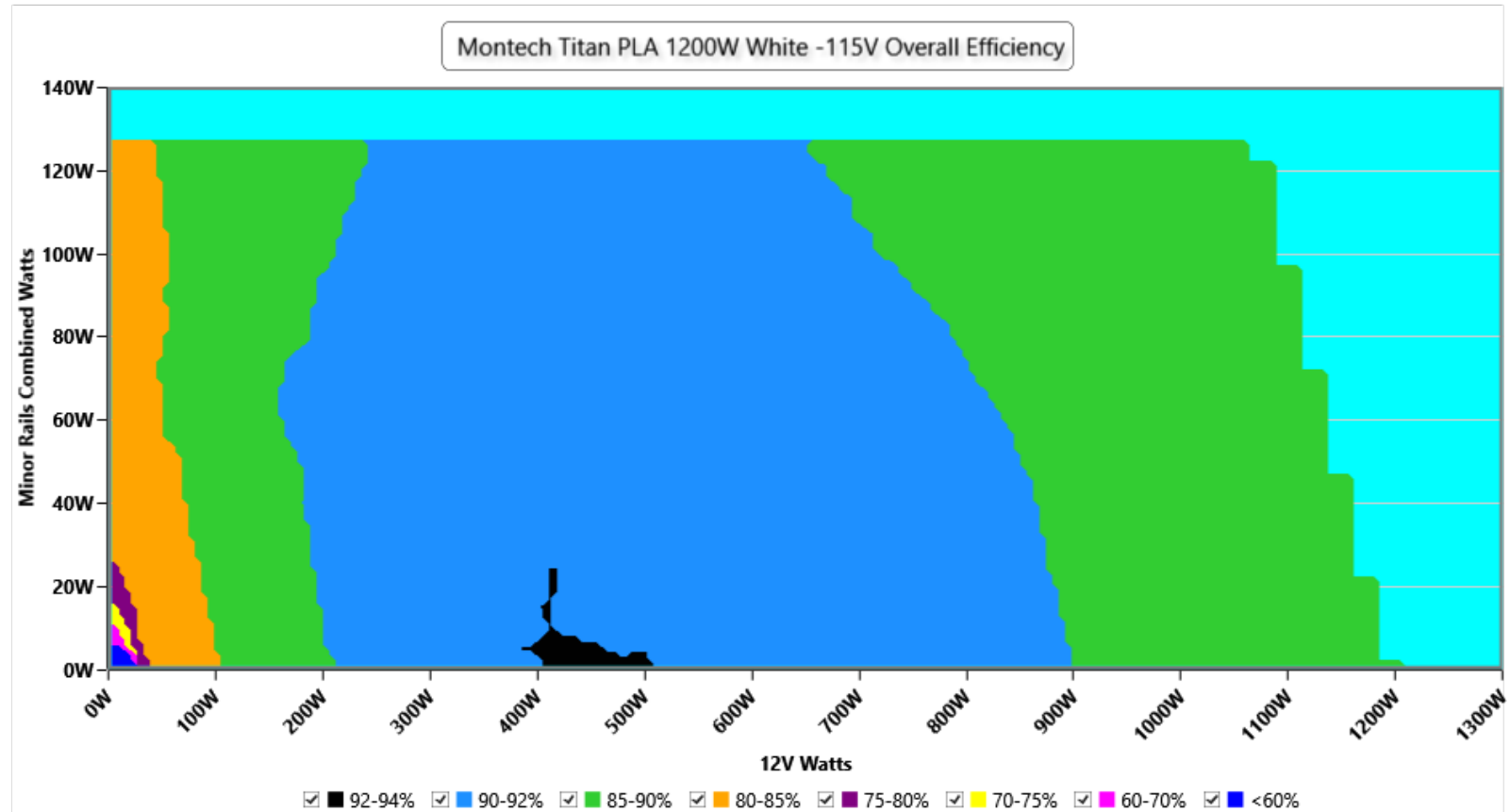
230V

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	1.417	1.340	1.419	1.490	PASS
Mains Voltage THD:	0.17 %	0.15 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.139 W	0.113 W	N/A	0.206 W	N/A	N/A
Apparent Power:	35.182 W	34.909 W	N/A	35.505 W	N/A	N/A
Power Factor:	0.004	N/A	N/A	N/A	N/A	N/A

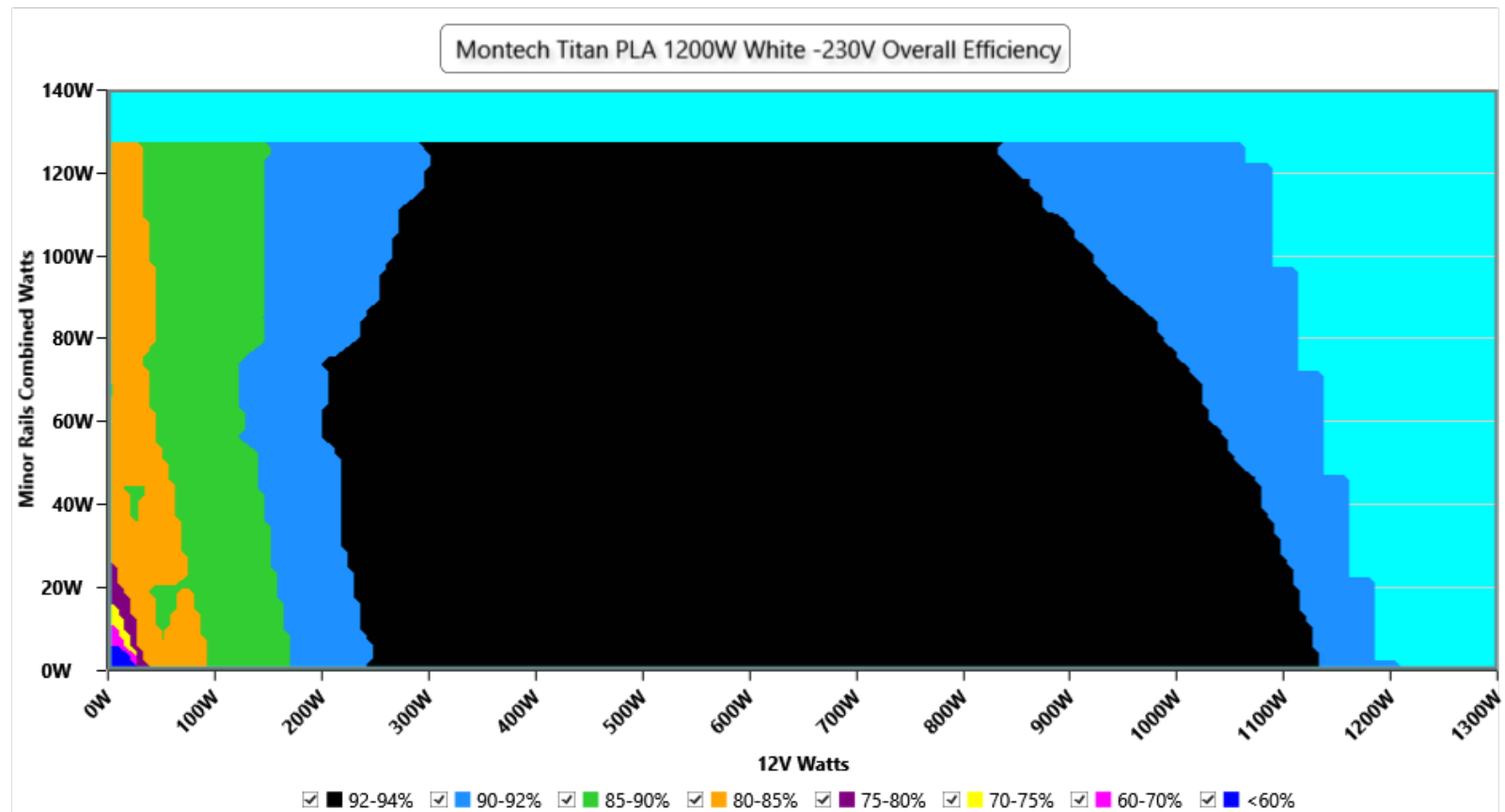
Efficiency Graph

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

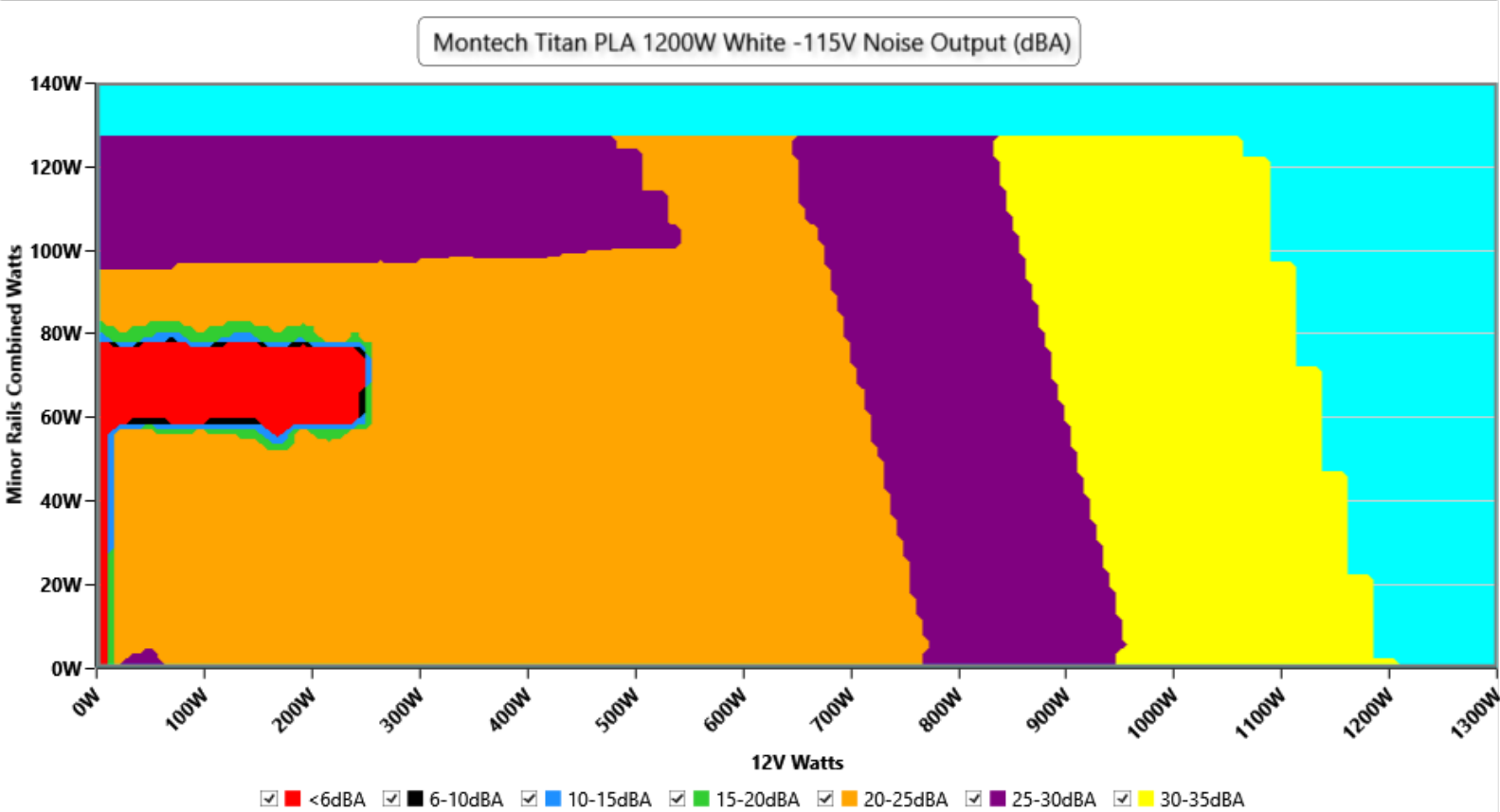


INFO

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

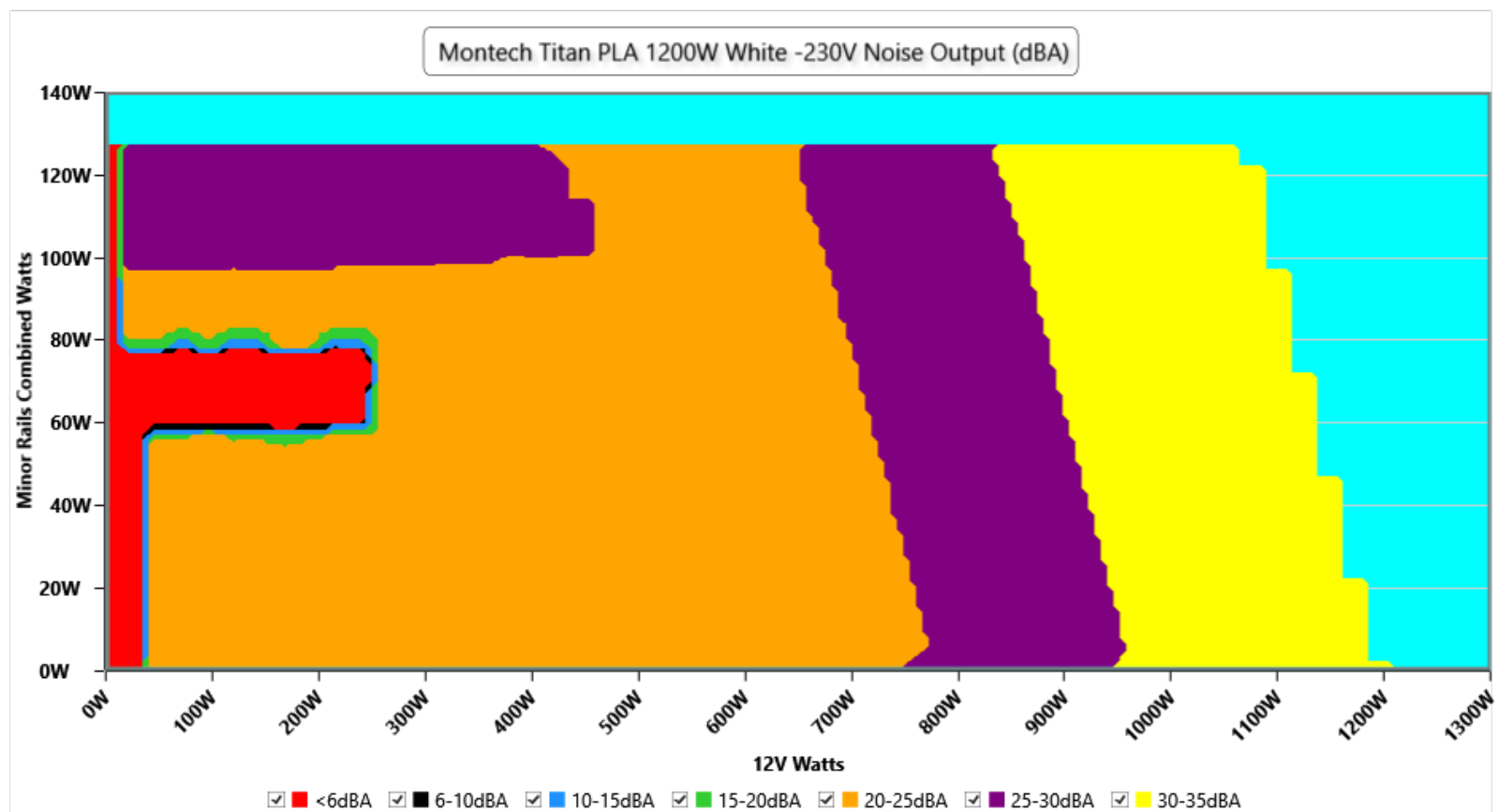
Noise Graph

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



INFO

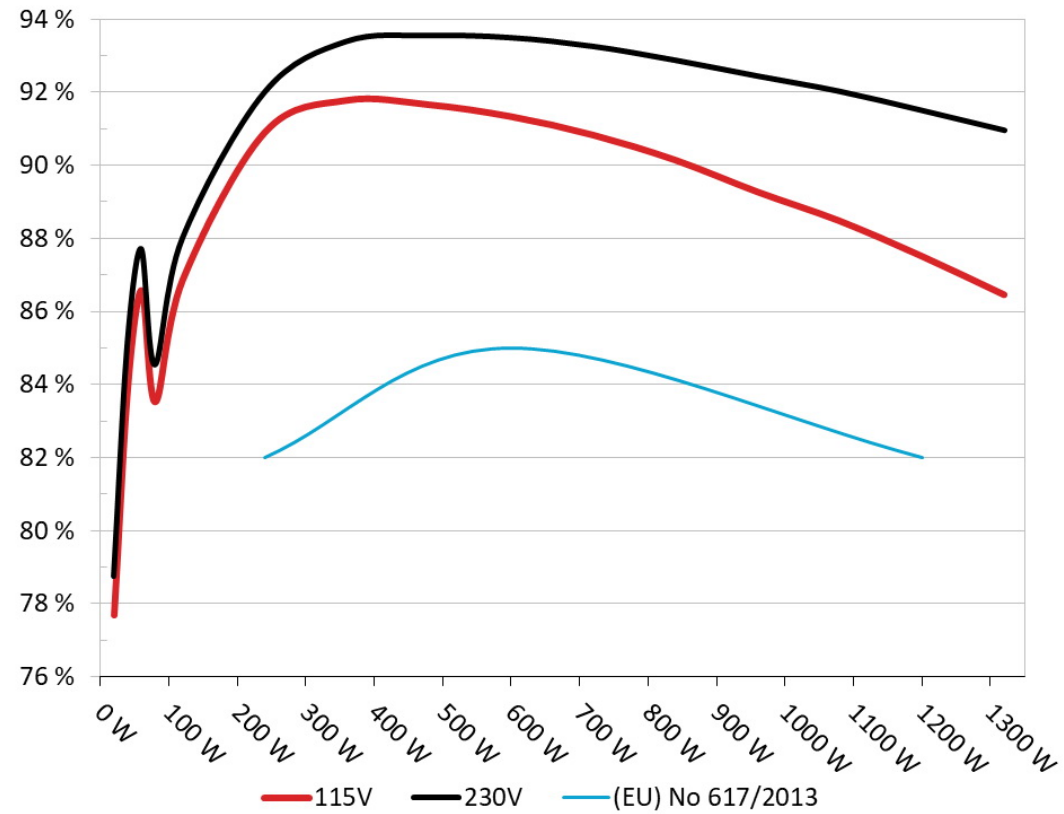
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: Montech Titan PLA 1200W White

Ambient: 37°C - 47°C (98.6°F - 116.6°F)



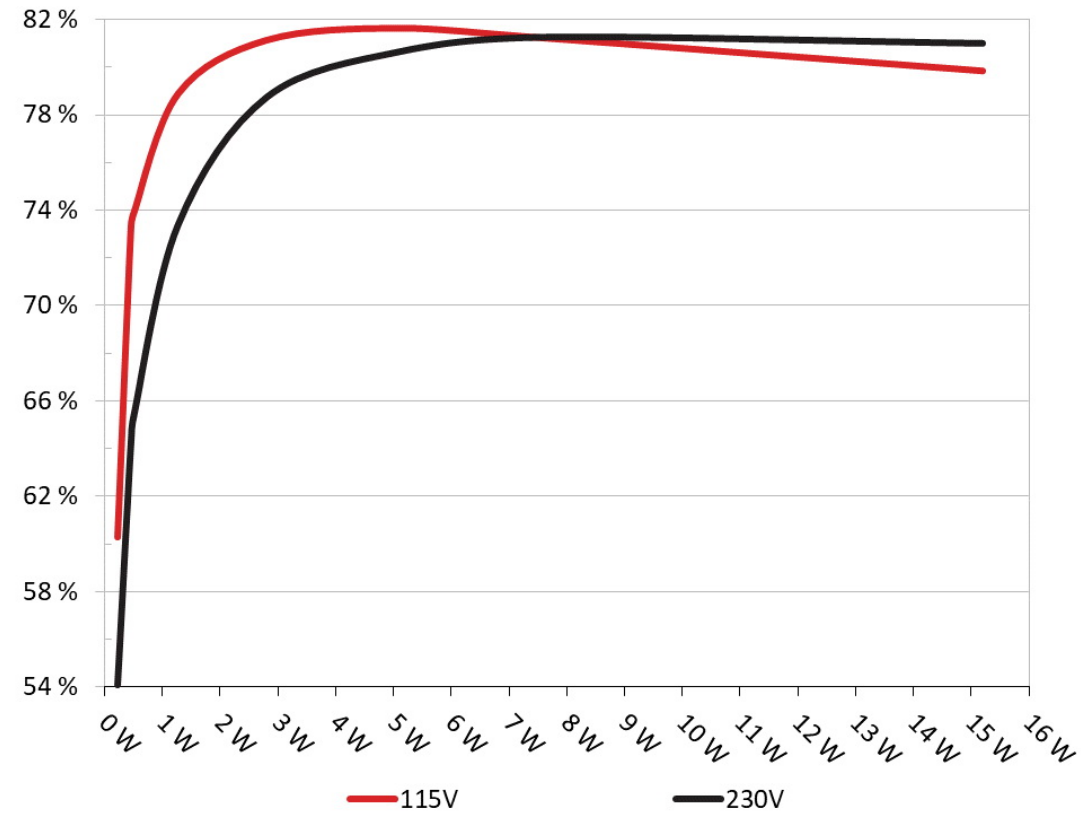
INFO

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

5VSB Efficiency: Montech Titan PLA 1200W White

Ambient: 34°C - 36°C (93.2°F - 96.8°F)



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	60.266%	0.017
	5.129V	0.173W		114.86V
2	0.09A	0.462W	73.29%	0.06
	5.127V	0.631W		114.87V
3	0.55A	2.815W	81.142%	0.26
	5.118V	3.469W		114.86V
4	1A	5.108W	81.644%	0.351
	5.108V	6.257W		114.87V
5	1.5A	7.647W	81.222%	0.408
	5.098V	9.415W		114.86V
6	3A	15.198W	79.848%	0.482
	5.066V	19.034W		114.86V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231W	54.096%	0.012
	5.129V	0.428W		229.94V
2	0.09A	0.462W	64.253%	0.021
	5.128V	0.719W		229.94V
3	0.55A	2.815W	78.733%	0.099
	5.117V	3.576W		229.94V
4	1A	5.109W	80.631%	0.164
	5.108V	6.336W		229.94V
5	1.5A	7.648W	81.242%	0.217
	5.098V	9.415W		229.94V
6	3.001A	15.202W	80.981%	0.326
	5.067V	18.774W		229.94V

Protection Features

OCP (Normal @ 27.9°C)	12V: 134.60A (134.60%), 12.230V 5V: 34.5A (138.00%), 4.993V 3.3V: 32.9A (131.60%), 3.302V 5VSB: 6.3A (210.00%), 4.993V
OCP (Hot @ 43.1°C)	12V: 128.20A (128.20%), 12.250V 5V: 34.3A (137.20%), 4.991V 3.3V: 32.9A (131.60%), 3.302V 5VSB: 6.3A (210.00%), 4.991V
OPP (Normal @ 28.5°C)	1629.10W (135.76%)
OPP (Hot @ 42.9°C)	1545.08W (128.76%)
OTP	✓ (130°C @ Primary Heatsink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓ -12V to Earth: ✓
PWR_OK	Proper Operation
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%	8.047A	1.989A	1.984A	0.98A	119.975	86.863%	0	<6.0	44.31°C	0.956
	12.224V	5.028V	3.326V	5.104V	138.127				40.11°C	114.83V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
20%	17.094A	2.985A	2.98A	1.178A	239.919	90.906%	0	<6.0	45.44°C	0.972
	12.228V	5.025V	3.322V	5.094V	263.919				40.92°C	114.79V
30%	26.450A	3.485A	3.479A	1.377A	359.073	91.784%	0	<6.0	46.21°C	0.978
	12.213V	5.022V	3.319V	5.084V	391.211				41.14°C	114.76V
40%	35.897A	3.985A	3.981A	1.577A	479.464	91.667%	943	23.4	41.61°C	0.979
	12.208V	5.019V	3.316V	5.074V	523.049				47.12°C	114.72V
50%	44.961A	4.984A	4.983A	1.778A	599.293	91.342%	935	23.2	42.38°C	0.98
	12.206V	5.017V	3.312V	5.062V	656.094				48.45°C	114.68V
60%	54.053A	5.985A	5.986A	1.98A	719.819	90.834%	929	23.1	42.86°C	0.983
	12.211V	5.013V	3.308V	5.052V	792.458				49.38°C	114.63V
70%	63.084A	6.987A	6.99A	2.182A	839.455	90.152%	1020	26.0	43.3°C	0.985
	12.212V	5.01V	3.305V	5.041V	931.159				50.32°C	114.59V
80%	72.151A	7.989A	7.996A	2.285A	959.446	89.28%	1121	29.2	43.98°C	0.988
	12.219V	5.006V	3.301V	5.032V	1074.645				52.01°C	114.55V
90%	81.529A	8.494A	8.489A	2.389A	1079.275	88.486%	1220	31.6	44.63°C	0.99
	12.226V	5.003V	3.298V	5.023V	1219.711				53.67°C	114.5V
100%	90.703A	8.999A	9.014A	2.998A	1199.309	87.521%	1316	34.1	45.61°C	0.992
	12.233V	5V	3.295V	5.004V	1370.312				55.7°C	114.44V
110%	99.784A	10.006A	10.118A	3.002A	1319.935	86.462%	1619	39.6	46.75°C	0.993
	12.242V	4.996V	3.291V	4.997V	1526.609				57.63°C	114.4V
CL1	0.113A	15.041A	14.959A	0.001A	126.296	82.31%	989	25.1	41.39°C	0.966
	12.273V	5.006V	3.316V	5.117V	153.443				56.74°C	114.81V
CL2	0.113A	24.968A	0A	0.001A	126.253	80.627%	1166	30.3	40.63°C	0.965
	12.261V	5.001V	3.326V	5.122V	156.587				51.99°C	114.82V
CL3	0.113A	0A	24.888A	0.001A	83.885	74.574%	1166	30.3	40.58°C	0.955
	12.246V	5.024V	3.315V	5.117V	112.485				49.16°C	114.83V
CL4	98.213A	0A	0A	0A	1199.885	88.173%	1317	34.1	45.88°C	0.99
	12.217V	5.015V	3.304V	5.073V	1360.841				61.76°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%	8.039A	1.989A	1.984A	0.979A	119.974	87.986%	0	<6.0	44.58°C	0.88
	12.237V	5.027V	3.326V	5.105V	136.358				40.34°C	229.93V
20%	17.079A	2.986A	2.98A	1.178A	239.919	91.986%	0	<6.0	45.18°C	0.935
	12.239V	5.023V	3.322V	5.095V	260.828				40.55°C	229.91V
30%	26.428A	3.486A	3.48A	1.377A	359.074	93.377%	0	<6.0	46.2°C	0.955
	12.222V	5.02V	3.319V	5.085V	384.536				41.12°C	229.89V
40%	35.903A	3.985A	3.982A	1.577A	479.47	93.539%	939	23.3	41.74°C	0.964
	12.207V	5.02V	3.315V	5.074V	512.588				47.28°C	229.88V
50%	44.946A	4.984A	4.982A	1.778A	599.201	93.481%	933	23.1	42.11°C	0.969
	12.207V	5.016V	3.312V	5.063V	640.984				48.16°C	229.86V
60%	54.041A	5.985A	5.985A	1.98A	719.739	93.242%	927	22.9	42.62°C	0.973
	12.211V	5.013V	3.308V	5.052V	771.898				49.23°C	229.84V
70%	63.062A	6.988A	6.99A	2.182A	839.472	92.863%	1015	25.8	43.05°C	0.977
	12.216V	5.01V	3.305V	5.041V	903.991				50.08°C	229.82V
80%	72.137A	7.99A	7.996A	2.285A	959.448	92.431%	1118	29	43.77°C	0.979
	12.221V	5.006V	3.301V	5.032V	1038.012				51.82°C	229.8V
90%	81.544A	8.494A	8.489A	2.389A	1079.276	92.012%	1217	31.4	44.12°C	0.98
	12.223V	5.003V	3.298V	5.024V	1172.985				53.16°C	229.78V
100%	90.730A	8.999A	9.014A	2.997A	1199.288	91.49%	1304	33.8	45.98°C	0.982
	12.230V	5V	3.294V	5.005V	1310.844				55.94°C	229.76V
110%	99.795A	10.007A	10.118A	3.001A	1319.931	90.946%	1676	40.6	46.65°C	0.984
	12.241V	4.996V	3.291V	4.998V	1451.338				57.52°C	229.75V
CL1	0.113A	15.031A	14.957A	0.001A	126.289	83.256%	986	25.0	40.06°C	0.892
	12.234V	5.01V	3.316V	5.116V	151.685				44.12°C	229.93V
CL2	0.113A	24.959A	0A	0.001A	126.245	81.396%	1162	30.3	40.68°C	0.894
	12.239V	5.003V	3.325V	5.121V	155.11				44.9°C	229.92V
CL3	0.113A	0A	24.882A	0.001A	83.885	75.293%	1163	30.3	40.26°C	0.852
	12.233V	5.025V	3.316V	5.117V	111.413				44.22°C	229.93V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL4	98.294A	0A	0A	0A	1199.895	91.958%	1313	34.0	45.43°C	0.981
	12.207V	5.015V	3.303V	5.072V	1304.83				53.62°C	229.74V

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	1.226A	0.497A	0.495A	0.195A	19.998	77.689%	0	<6.0	39.96°C	0.853
	12.105V	5.035V	3.33V	5.125V	25.741				36.87°C	114.86V
40W	2.698A	0.695A	0.694A	0.293A	39.998	83.965%	0	<6.0	40.83°C	0.914
	12.113V	5.033V	3.329V	5.122V	47.638				37.47°C	114.85V
60W	4.168A	0.894A	0.892A	0.391A	59.995	86.577%	0	<6.0	42.03°C	0.938
	12.121V	5.032V	3.328V	5.119V	69.298				38.31°C	114.85V
80W	5.589A	1.093A	1.091A	0.489A	79.929	83.529%	0	<6.0	43.34°C	0.942
	12.222V	5.031V	3.328V	5.117V	95.692				39.37°C	114.84V

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	1.226A	0.497A	0.496A	0.195A	19.999	78.751%	0	<6.0	40.08°C	0.493
	12.113V	5.034V	3.33V	5.126V	25.396				36.99°C	229.94V
40W	2.696A	0.696A	0.694A	0.293A	39.996	85.146%	0	<6.0	40.89°C	0.677
	12.122V	5.032V	3.329V	5.123V	46.973				37.6°C	229.94V
60W	4.165A	0.894A	0.892A	0.391A	59.994	87.706%	0	<6.0	41.94°C	0.769
	12.131V	5.03V	3.328V	5.12V	68.403				38.47°C	229.93V
80W	5.583A	1.093A	1.091A	0.489A	79.928	84.534%	0	<6.0	42.74°C	0.829
	12.231V	5.03V	3.328V	5.117V	94.55				39.14°C	229.93V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.25mV	14.22mV	15.10mV	19.36mV	Pass
20% Load	26.67mV	12.98mV	13.81mV	16.26mV	Pass
30% Load	18.82mV	12.83mV	13.70mV	16.21mV	Pass
40% Load	17.12mV	13.81mV	15.15mV	30.20mV	Pass
50% Load	17.27mV	14.06mV	15.31mV	30.09mV	Pass
60% Load	17.07mV	14.07mV	15.41mV	30.30mV	Pass
70% Load	25.26mV	20.25mV	25.24mV	29.32mV	Pass
80% Load	15.78mV	15.92mV	19.75mV	28.64mV	Pass
90% Load	16.60mV	17.88mV	22.08mV	29.37mV	Pass
100% Load	23.65mV	18.17mV	22.02mV	31.69mV	Pass
110% Load	24.85mV	17.42mV	20.47mV	32.86mV	Pass
Crossload1	13.72mV	16.18mV	19.34mV	35.66mV	Pass
Crossload2	16.65mV	25.60mV	18.20mV	34.84mV	Pass
Crossload3	15.21mV	15.61mV	19.03mV	34.17mV	Pass
Crossload4	24.00mV	16.11mV	18.07mV	31.81mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	13.87mV	14.11mV	15.82mV	19.31mV	Pass
20% Load	30.44mV	13.29mV	14.17mV	17.04mV	Pass
30% Load	19.25mV	13.19mV	13.91mV	15.12mV	Pass
40% Load	17.96mV	13.65mV	15.20mV	30.51mV	Pass
50% Load	17.80mV	14.48mV	15.51mV	30.30mV	Pass
60% Load	16.91mV	14.17mV	16.14mV	30.09mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
70% Load	16.24mV	14.84mV	15.77mV	29.68mV	Pass
80% Load	15.67mV	16.39mV	20.89mV	29.37mV	Pass
90% Load	16.35mV	17.00mV	21.41mV	28.86mV	Pass
100% Load	25.22mV	20.06mV	21.77mV	33.06mV	Pass
110% Load	27.41mV	18.88mV	20.84mV	33.10mV	Pass
Crossload1	14.61mV	16.48mV	19.06mV	35.64mV	Pass
Crossload2	17.63mV	26.69mV	21.10mV	35.00mV	Pass
Crossload3	14.95mV	16.28mV	19.29mV	35.56mV	Pass
Crossload4	25.44mV	17.06mV	20.23mV	33.34mV	Pass

The results above are not used in the certification process

Montech Titan PLA 1200W White



Top side

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 LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

HI-POT

OK

Grounding

OK

80

PLUS

PLATINUM

TITAN PLA 1200W

Switching Power Supply/スイッチモード電源/電源供應器/電源供應器

Model/モデル/型號/型号:TIX0126

AC INPUT 交流輸入/交流輸入	100-240 Vac 15-7.5 A 50-60 Hz 200-240 V ~ 7.5 A 50-60Hz, 适用于中国地区使用				
DC OUTPUT 直流輸出/直流輸出	+3.3 V	+5 V	+12 V	-12 V	+5 V _{SB}
	25 A	25 A	100 A	0.3 A	3 A
	125 W		1200 W	3.6 W	15 W
1200 W					

CAUTION! 警告

IF THE SEALED STICKER WAS REMOVED, DAMAGED OR LOST, IT WOULD LOSE THE WARRANTY VALIDITY!

如果封條貼紙被移動、破壞、或遺失，此電源供應器將失效

如果封條貼紙被移動、破壞、或遺失，此電源供應器將失效

Switching power supply / 交換式電源供應器 / 交換式電源供應器

Manufacturer : Sea Sonic Electronics Co., Ltd.

製造商 : 海韻電子工業股份有限公司 / 製造商 : 海韻電子工業股份有限公司

Made in China / Fabrique en Chine / Hergestellt in China / 中國製造

CAUTION! Hazardous voltage inside!

DO NOT open this power supply unit!

To be serviced by trained personnel only

No user serviceable components inside

內有高壓，請勿開箱！內有高壓，請勿開箱！

VORACHT! Gefährliche Hochspannung!

Bitte Netzgeräthäuse NICHT öffnen!

Reparaturen nur durch ausgebildetes Personal!

Es sind keine zu wartenden Bauteile vorhanden!

ITE Power Supply

Endast für Kontorismaschinen

Late on littellava suojamäärätoimikokkettimä

varustettuna istokorrasen

Apparatet må tilkoples jorden stikkontakt

Apparatet skall anslutas till jordad uttag

Attention ! Ne PAS ouvrir l'alimentation !

Power specifications label

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

www.cybenetics.com - info@cybenetics.com