



Super Flower Leadex VII PRO 1000W

Serial Number S2404199011

Lab ID SF10002450

Certification ID 252450

Test Result Report ID: 24PS2450A

Certificate Issue Date: May 23, 2024

Scheme: ETA-EMI PSU

115V

A grey shield-shaped logo with a lightning bolt icon at the top, the word "CYBENETICS" in the middle, and "PLATINUM" at the bottom.

230V

A grey shield-shaped logo with a lightning bolt icon at the top, the word "CYBENETICS" in the middle, and "PLATINUM 230v" at the bottom.

115V

A yellow shield-shaped logo with a speaker icon at the top, the word "CYBENETICS" in the middle, and "STANDARD++" at the bottom.

230V

A yellow shield-shaped logo with a speaker icon at the top, the word "CYBENETICS" in the middle, and "STANDARD++ 230v" at the bottom.

Scheme: LAMBDA PSU

A blue rectangular logo with a lightning bolt icon, the word "CYBENETICS", and "ATX 3.1".

A black rectangular badge with the word "PASS" in white.

Outside Validation Scope

A handwritten signature in blue ink, consisting of several loops and a long horizontal stroke.

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	Super Flower
Model	Leadex VII PRO 1000W
OEM/ODM	Super Flower
Serial Number	S2404199011
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	15

Rated Frequency (Hz)	50-60
Rated Power (W)	1000
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fully Modular
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	140mm Fluid Dynamic Bearing Fan (ZFF142512D)
Semi-Passive Operation	✓ (selectable)
Cybenetics Testing Information	
Lab ID	SF10002450
Date of receipt	Apr 23, 2024
Testing Date	May 23, 2024
Report Issued Date	May 23, 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 (600mm)	1	1	16-20AWG	No
4+4 pin EPS12V (700mm)	2	2	18AWG	No
6+2 pin PCIe (700mm)	4	4	16-18AWG	No
12+2 pin PCIe (700mm) (600W)	1	1	16-24AWG	No
SATA (555mm+125mm+125mm+125mm)	4	16	18AWG	No
4-pin Molex (550mm+150mm+150mm+150mm)	1	4	18AWG	No
AC Power Cord (1380mm) - 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	83.3	2.5	0.5
	Watts	100		999.6	12.5	6
Total Max. Power (W)		1000				

Parts Description

Manufacturer (OEM)	Super Flower
PCB Type	Double-Sided
Transient Filter	4x Y caps, 3x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor SCK-0512 (5 Ohm @25°C) & Relay
Bridge Rectifier(s)	2x GBU25M (700V, 25A @1000°C)
APFC MOSFETs	3x Infineon IPA60R120P7 (650V, 16A @ 100°C, Rds(on): 0.120Ohm) & 1x SyncpowerSPN5003 FET (for reduced no-load consumption)
APFC Boost Diode	1x CREE C3D10065I (650V, 9A @ 135°C)
Bulk Cap(s)	1x Nippon Chemi-Con (450V, 680uF @ 105°C, KMZ)
Main Switchers	4x Infineon IPI50R199CP (550V, 11A @ 100°C, Rds(on): 0.199Ohm)
APFC Controller	Infineon ICE3PCS02G
Resonant Controller	Super Flower JTC113
Topology	Primary side: APFC, Full-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters

+12V MOSFETs	8x Infineon BSC014N04LS (40V, 100A @ 125°C, Rds(on): 1.4mOhm)
5V & 3.3V	DC-DC Converters: 4x Alpha & Omega GL3P15 PWM Controller(s): 2x ANPECAPW7073
Filtering Capacitors	Electrolytic: 5x Nippon Chemi-Con @ 105°C, (W), 1x Nippon Chemi-Con (2-5,000 @ 105°C,KZE) 5x Rubycon (6-10,000 @ 105°C, ZLH), Polymer: 1x Nippon Chemi-Con KMG 2x Nippon Chemi-Con KYA 1x Nippon Chemi-Con KY 1x Rubycon YXF, 7x Nippon Chemi-Con KRG, 18x Nippon Chemicon
Supervisor IC	JTC113
Fan Model	ZIC ZFF142512D (140mm, 12V, 0.65A, Fluid Dynamic Bearing Fan)
Rectifier	1x PFC PFR20L60CT SBR (60V, 20A) & 1x Lite-On US1D (140V, 1A @ 110°C)
Standby PWM Controller	29604

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)	90.478%
Average Noise Output (>1450 Load Combinations)	34.96dBA
Average PF (>1450 Load Combinations)	0.988
Efficiency With 10W (≤500W) or 2% (>500W) Load	71.417%
Standby Power Consumption	0.1372W
Non-Accredited	

12V Ripple (Full Load)	37.69mV
5V Ripple (Full Load)	29.21mV
3.3V Ripple (Full Load)	28.70mV
5VSB Ripple (Full Load)	18.26mV
12V Load Regulation	0.07%
5V Load Regulation	0.24%
3.3V Load Regulation	0.18%
5VSB Load Regulation	2.04%
Inrush Current	32.530A

230V

Accredited	
Average Efficiency (>1450 load combinations)	92.516%
Average Noise Output (>1450 Load Combinations)	31.47dBA
Average PF (>1450 Load Combinations)	0.952
Efficiency With 10W ($\leq 500W$) or 2% ($> 500W$) Load	71.515%
Standby Power Consumption	0.1782W
Non-Accredited	
12V Ripple (Full Load)	37.57mV
5V Ripple (Full Load)	27.72mV
3.3V Ripple (Full Load)	29.82mV
5VSB Ripple (Full Load)	14.96mV
12V Load Regulation	0.07%
5V Load Regulation	0.24%
3.3V Load Regulation	0.18%
5VSB Load Regulation	2.02%
Inrush Current	65.050A
12V Transient Response (200%)	11.52V
5V Transient Response (200%)	4.962V
3.3V Transient Response (200%)	3.216V
5VSB Transient Response (200%)	5.024V
Hold-Up Time & PWR_OK Signal	26.30ms

AC Loss to PWR_OK Hold Up Time	23.60ms	
PWR_OK Inactive to DC Loss Delay	2.70ms	
PSU Timings: T1 (20% / 100%)	104.0ms	104.0ms
PSU Timings: T3 (20% / 100%)	109.0ms	108.0ms
OPP (27.36°C / 43.35°C)	141.51%	140.52%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	26.3
AC Loss to PWR_OK Hold Up Time (ms)	23.6
PWR_OK Inactive to DC Loss Delay (ms)	2.7

Vampire Power

Tables

115V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	114.85 V	114.77 V	113.85 V	114.94 V	116.15 V	PASS
Mains Frequency:	60.00 Hz	59.97 Hz	59.40 Hz	60.02 Hz	60.60 Hz	PASS
Mains Voltage CF:	1.422	1.420	1.340	1.424	1.490	PASS
Mains Voltage THD:	0.15 %	0.10 %	N/A	0.26 %	2.00 %	PASS
Real Power:	0.137 W	0.122 W	N/A	0.154 W	N/A	N/A
Apparent Power:	9.775 W	9.756 W	N/A	9.796 W	N/A	N/A
Power Factor:	0.014	N/A	N/A	N/A	N/A	N/A

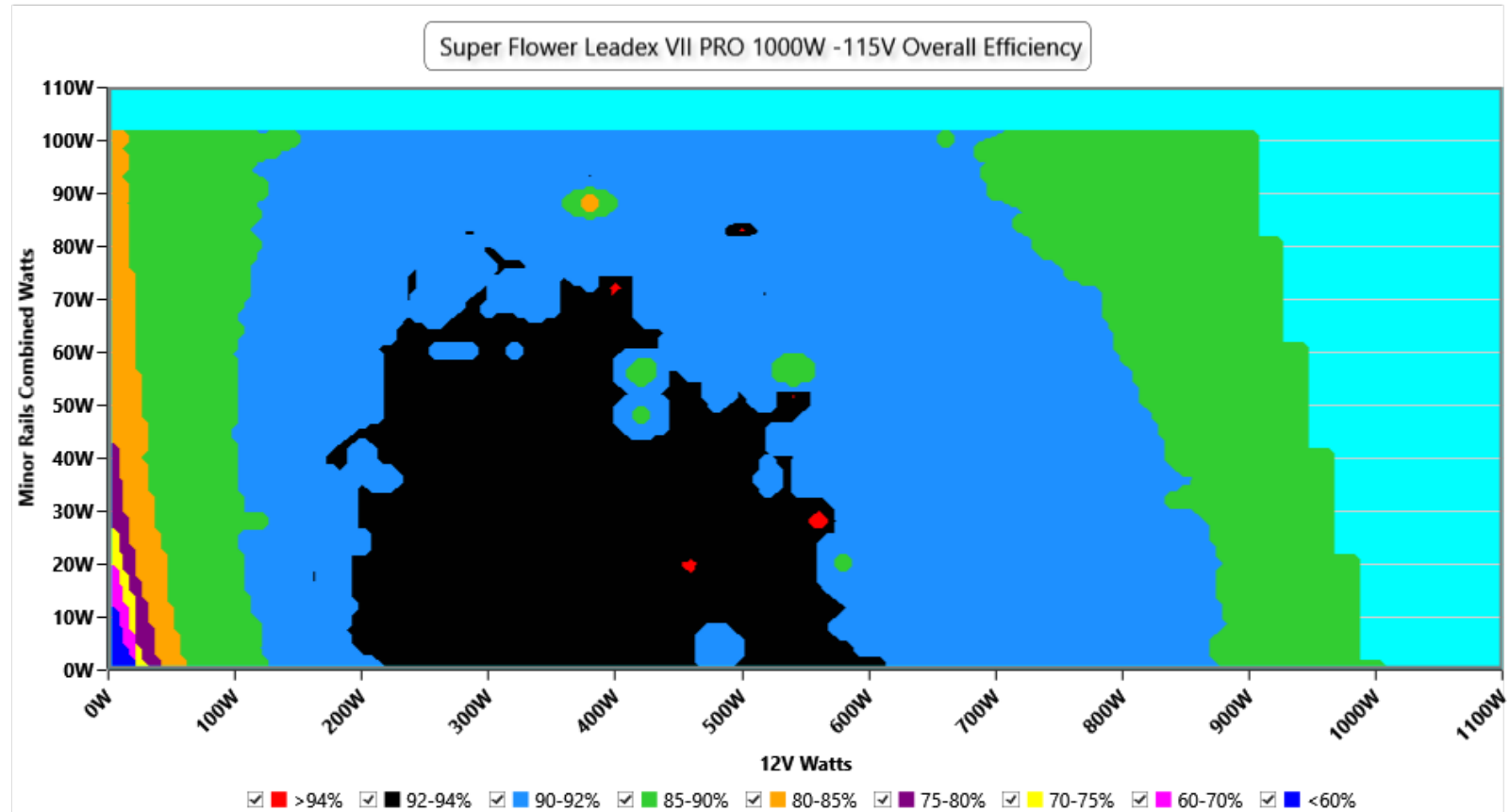
230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result

Mains Voltage RMS:	231.02 V	230.93 V	227.70 V	231.09 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	0.27 %	2.00 %	PASS
Real Power:	0.178 W	0.137 W	N/A	0.236 W	N/A	N/A
Apparent Power:	33.221 W	32.878 W	N/A	33.589 W	N/A	N/A
Power Factor:	0.006	N/A	N/A	N/A	N/A	N/A

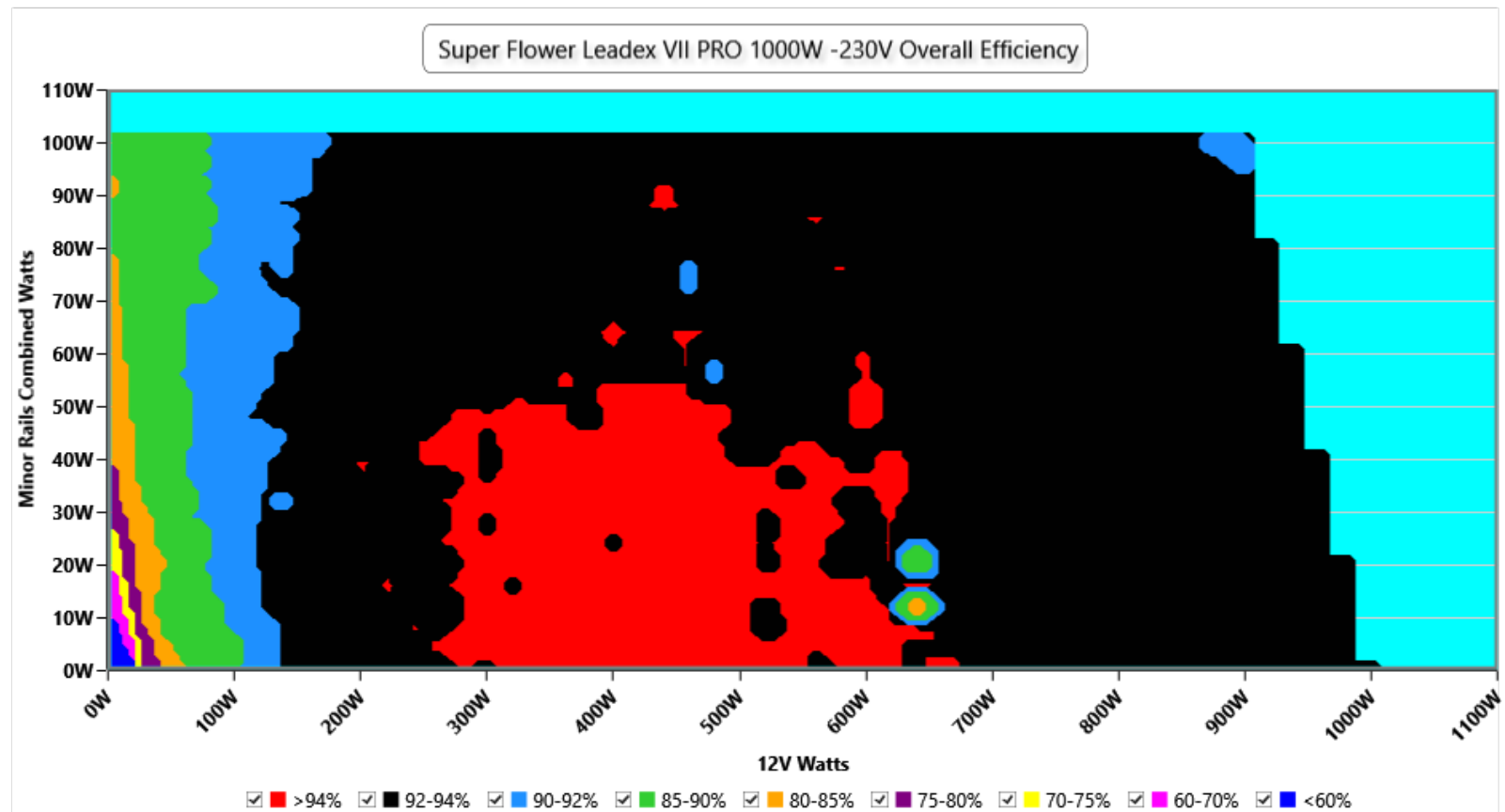
Efficiency Graph

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

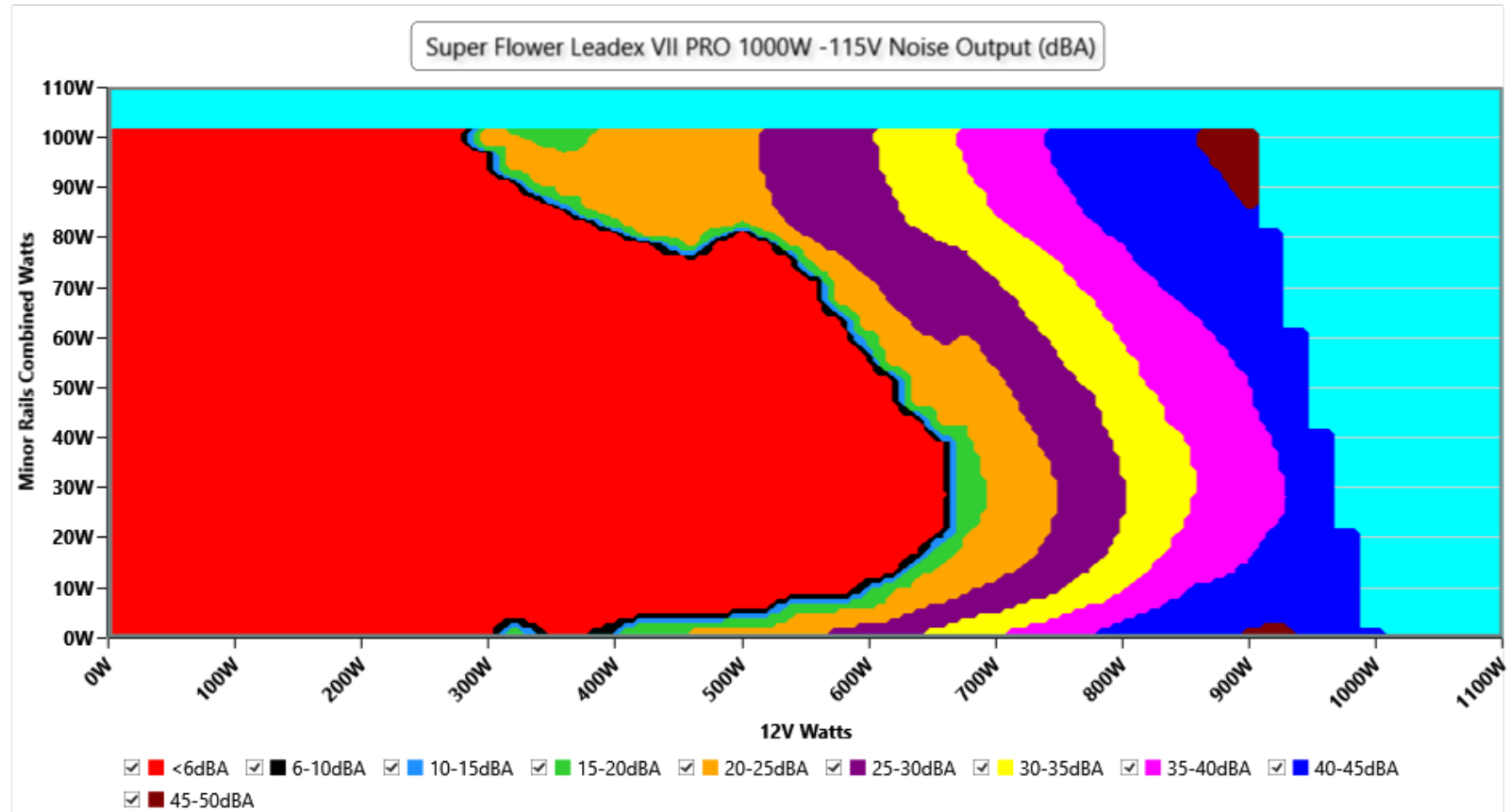


INFO

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

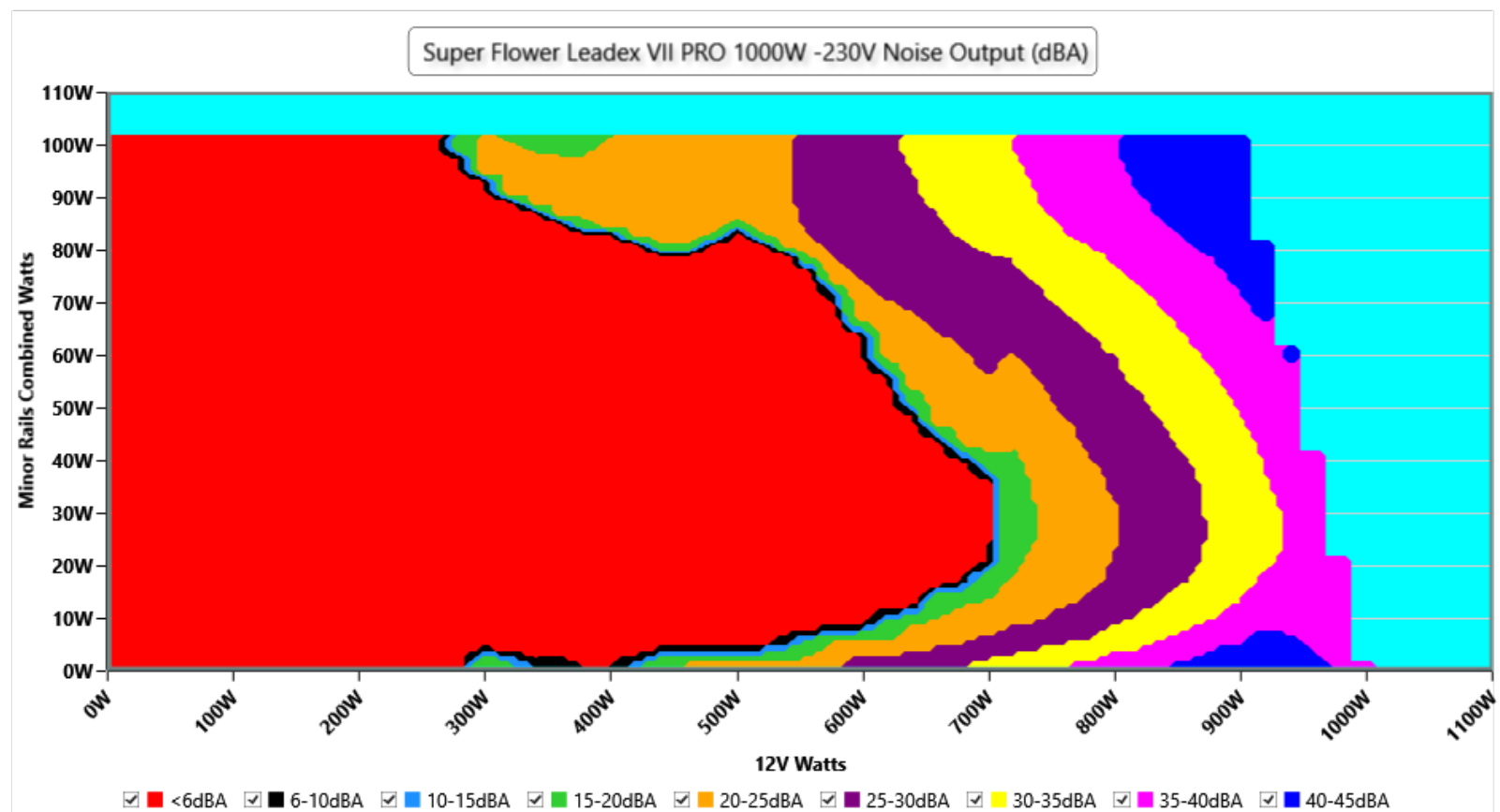
Noise Graph

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

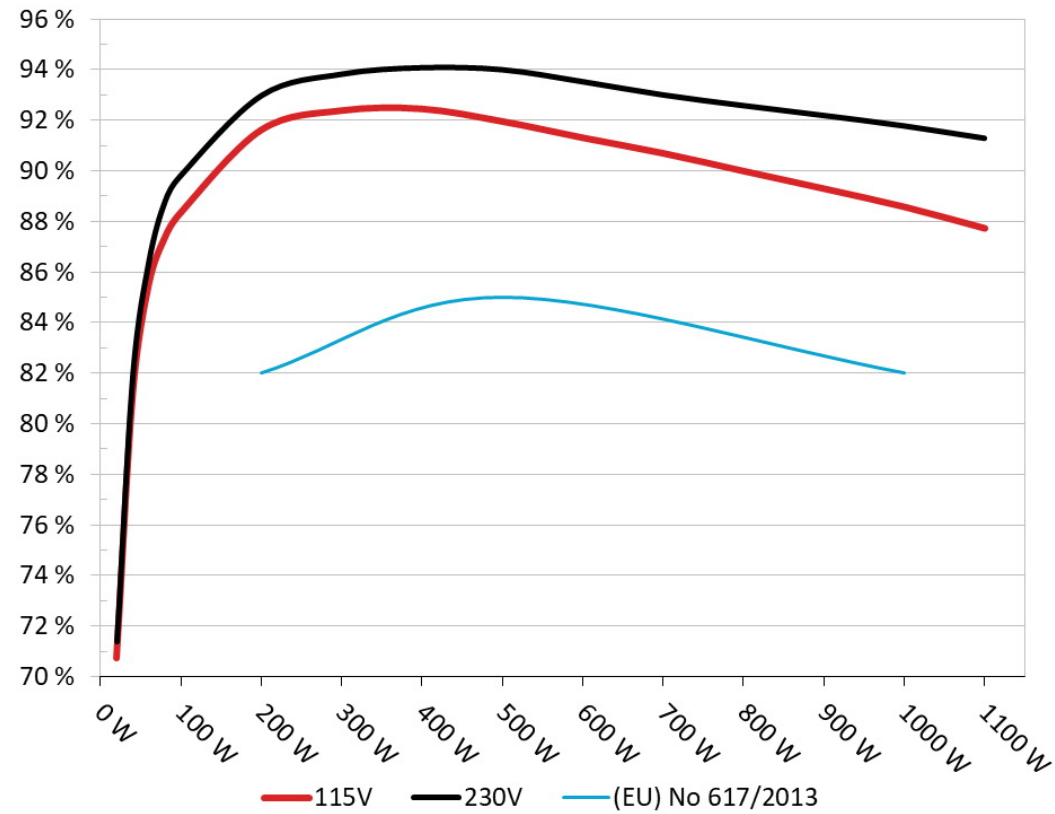
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Indicative Performance

Efficiency under high ambient temperature

Efficiency: Super Flower Leadex VII PRO 1000W

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



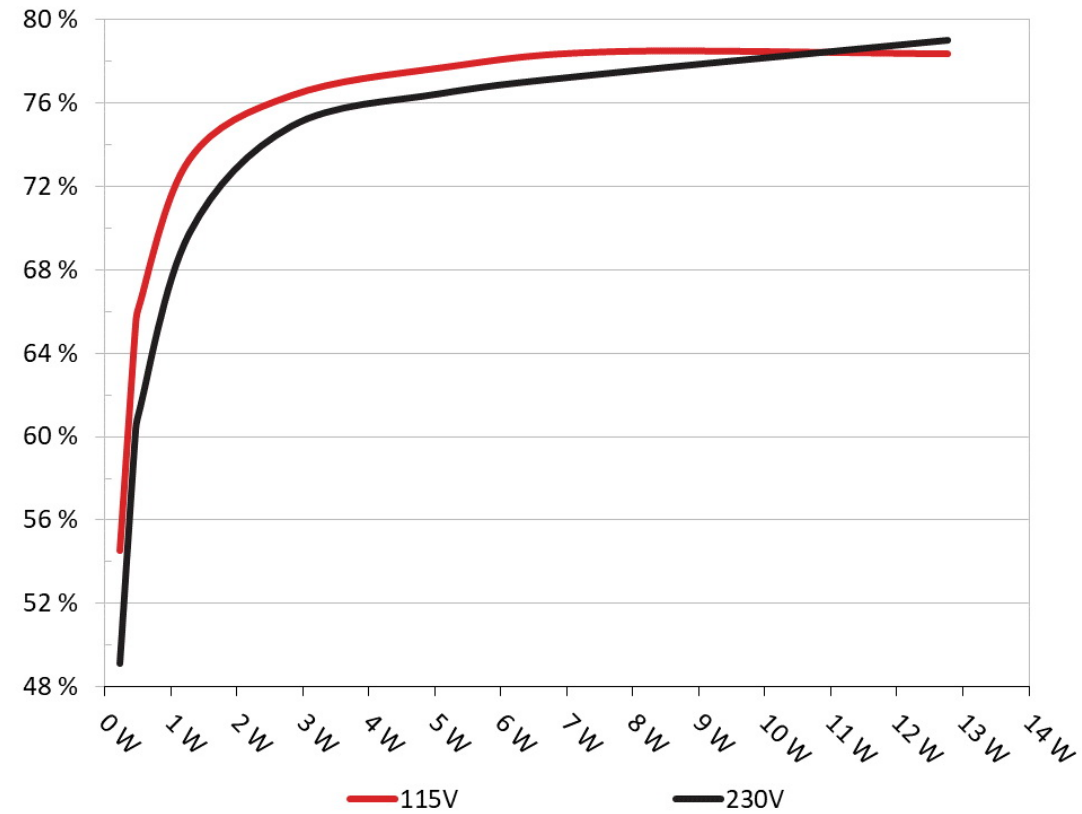
INFO

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: Super Flower Leadex VII PRO 1000W

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	0.232W	54.542%	0.043
	5.151V	0.425W		114.84V
2	0.09A	0.464W	65.108%	0.071
	5.15V	0.713W		114.84V
3	0.55A	2.828W	76.339%	0.281
	5.142V	3.705W		114.84V
4	1A	5.135W	77.688%	0.369
	5.135V	6.61W		114.84V
5	1.5A	7.69W	78.446%	0.422
	5.126V	9.803W		114.84V
6	2.5A	12.772W	78.34%	0.472
	5.109V	16.304W		114.84V

230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.232W	49.151%	0.014
	5.15V	0.472W		229.84V
2	0.09A	0.464W	60.057%	0.023
	5.15V	0.773W		229.84V
3	0.55A	2.828W	74.906%	0.109
	5.142V	3.775W		229.83V
4	1A	5.135W	76.497%	0.178
	5.135V	6.712W		229.84V
5	1.5A	7.69W	77.466%	0.233
	5.126V	9.927W		229.83V
6	2.5A	12.773W	79.031%	0.311
	5.109V	16.161W		229.83V

Protection Features

Protection Features	
OCP (Cold @ 28°C)	12V: 117.6A (141.18%), 12.103V 5V: 25.1A (125.5%), 5.058V 3.3V: 26.3A (131.5%), 3.359V 5VSB: 4.9A (196%), 5.064V
OCP (Hot @ 43°C)	12V: 117.2A (140.7%), 12.11V 5V: 23.2A (114%), 5.072V 3.3V: 25.1A (125.5%), 3.364V 5VSB: 4.6A (184%), 5.066V
OPP (Cold @ 27°C)	1415.14W (141.51%)
OPP (Hot @ 43°C)	1405.18W (140.52%)
OTP	✓ (130°C @ secondary side)
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 Thermistor & 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
	6.483A	1.973A	1.963A	0.975A	99.984	88.369%	0	<6.0	44.22°C	0.952
	12.091V	5.067V	3.362V	5.126V	113.154				40.01°C	114.81V
	13.983A	2.959A	2.943A	1.173A	199.928	91.639%	0	<6.0	45.4°C	0.981
	12.089V	5.068V	3.363V	5.116V	218.17				40.88°C	114.76V
	21.838A	3.451A	3.433A	1.371A	299.969	92.407%	0	<6.0	46.24°C	0.99
	12.085V	5.071V	3.364V	5.106V	324.608				41.16°C	114.74V
	29.647A	3.942A	3.922A	1.57A	399.47	92.475%	378	<6.0	41.76°C	0.993
	12.085V	5.073V	3.366V	5.096V	431.963				47.27°C	114.7V
	37.132A	4.929A	4.902A	1.769A	499.196	91.981%	622	19.5	42.06°C	0.994
	12.084V	5.072V	3.366V	5.087V	542.716				48.12°C	114.67V
	44.680A	5.916A	5.883A	1.97A	599.726	91.33%	890	31.2	42.74°C	0.995
	12.084V	5.071V	3.366V	5.078V	656.67				49.3°C	114.64V
	52.166A	6.902A	6.864A	2.17A	699.46	90.718%	1153	38.9	43.25°C	0.996
	12.083V	5.071V	3.365V	5.068V	771.023				50.29°C	114.6V
	59.718A	7.888A	7.843A	2.273A	799.479	90.012%	1400	44.9	43.88°C	0.996
	12.083V	5.07V	3.365V	5.06V	888.187				51.96°C	114.57V
	67.598A	8.38A	8.317A	2.376A	899.297	89.317%	1615	48.8	44.26°C	0.996
	12.083V	5.071V	3.366V	5.051V	1006.87				53.35°C	114.53V
	75.543A	8.872A	8.82A	2.479A	1000.002	88.589%	1806	50.5	45.83°C	0.996
	12.084V	5.072V	3.367V	5.043V	1128.839				55.83°C	114.49V
	83.083A	9.855A	9.887A	2.482A	1099.813	87.742%	1994	52.6	46.72°C	0.996
	12.085V	5.074V	3.368V	5.036V	1253.469				57.63°C	114.46V
	0.115A	11.881A	11.81A	0A	101.294	83.234%	710	24.0	40.37°C	0.958
	12.093V	5.067V	3.361V	5.137V	121.717				48.96°C	114.8V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
	0.114A	19.702A	0A	0A	101.334	82.662%	617	19.3	40.81°C	0.959
	12.092V	5.073V	3.365V	5.137V	122.6				49.41°C	114.81V
	0.114A	0A	19.621A	0A	67.381	76.977%	790	27.8	40.06°C	0.937
	12.092V	5.071V	3.364V	5.14V	87.551				45.65°C	114.81V
	82.768A	0.001A	0A	0.001A	999.881	89.336%	1608	49.1	45.61°C	0.996
	12.080V	5.074V	3.371V	5.09V	1119.228				53.43°C	114.51V

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
	6.483A	1.973A	1.963A	0.975A	99.983	89.836%	0	<6.0	44.34°C	0.839
	12.091V	5.066V	3.363V	5.126V	111.313				40.13°C	229.83V
	13.983A	2.959A	2.944A	1.173A	199.928	92.978%	0	<6.0	45.22°C	0.933
	12.089V	5.068V	3.363V	5.116V	215.018				40.63°C	229.81V
	21.838A	3.451A	3.433A	1.371A	299.971	93.824%	0	<6.0	46.02°C	0.953
	12.085V	5.07V	3.364V	5.106V	319.73				41.02°C	229.79V
	29.649A	3.943A	3.923A	1.57A	399.489	94.077%	377	<6.0	41.89°C	0.965
	12.084V	5.072V	3.365V	5.096V	424.644				47.4°C	229.77V
	37.136A	4.931A	4.904A	1.769A	499.212	93.998%	616	19.3	42.11°C	0.973
	12.083V	5.07V	3.365V	5.087V	531.081				48.14°C	229.76V
	44.687A	5.917A	5.884A	1.97A	599.747	93.524%	870	30.5	42.82°C	0.979
	12.083V	5.07V	3.365V	5.077V	641.302				49.36°C	229.74V
	52.171A	6.904A	6.865A	2.171A	699.486	93.004%	1151	38.8	43.11°C	0.982
	12.083V	5.07V	3.365V	5.068V	752.115				50.2°C	229.73V
	59.723A	7.889A	7.844A	2.273A	799.503	92.581%	1420	44.9	43.92°C	0.986
	12.083V	5.07V	3.365V	5.06V	863.575				51.97°C	229.71V
	67.605A	8.382A	8.318A	2.376A	899.321	92.191%	1602	48.9	44.38°C	0.987
	12.083V	5.07V	3.366V	5.051V	975.5				53.52°C	229.7V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
	75.551A	8.874A	8.822A	2.479A	1000.043	91.776%	1787	51.1	45.65°C	0.989
	12.083V	5.071V	3.366V	5.043V	1089.653				55.66°C	229.69V
	83.090A	9.857A	9.889A	2.482A	1099.848	91.289%	1994	52.6	46.58°C	0.991
	12.084V	5.073V	3.367V	5.036V	1204.822				57.4°C	229.66V
	0.116A	11.885A	11.811A	0A	101.296	84.629%	685	22.8	40.06°C	0.848
	12.091V	5.065V	3.361V	5.137V	119.711				48°C	229.82V
	0.114A	19.705A	0A	0A	101.338	84.054%	386	<6.0	41.3°C	0.848
	12.092V	5.072V	3.365V	5.137V	120.567				49.56°C	229.83V
	0.114A	0A	19.622A	0A	67.379	78.312%	747	25.9	40.11°C	0.76
	12.091V	5.069V	3.363V	5.14V	86.042				45.37°C	229.83V
	82.775A	0.001A	0A	0.001A	999.899	92.478%	1651	47.7	45.96°C	0.99
	12.079V	5.074V	3.37V	5.09V	1081.242				52.38°C	229.68V

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	1.228A	0.494A	0.491A	0.194A	19.996	70.721%	0	<6.0	39.69°C	0.801
	12.090V	5.061V	3.361V	5.146V	28.275				36.59°C	114.83V
40W	2.704A	0.691A	0.687A	0.292A	39.996	81.169%	0	<6.0	40.66°C	0.906
	12.091V	5.063V	3.361V	5.143V	49.287				37.29°C	114.83V
60W	4.179A	0.888A	0.883A	0.389A	59.996	85.521%	0	<6.0	41.85°C	0.944
	12.091V	5.064V	3.362V	5.14V	70.15				38.16°C	114.82V
80W	5.649A	1.086A	1.079A	0.487A	79.933	87.366%	0	<6.0	42.96°C	0.938
	12.091V	5.065V	3.362V	5.136V	91.49				39.01°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	1.228A	0.494A	0.491A	0.194A	19.993	71.389%	0	<6.0	39.86°C	0.476
	12.090V	5.06V	3.36V	5.145V	28.005				36.78°C	229.83V
40W	2.704A	0.692A	0.687A	0.292A	39.994	82.013%	0	<6.0	40.86°C	0.62
	12.090V	5.061V	3.361V	5.142V	48.789				37.61°C	229.84V
60W	4.179A	0.888A	0.883A	0.389A	59.994	86.452%	0	<6.0	41.56°C	0.714
	12.091V	5.063V	3.362V	5.139V	69.399				38.03°C	229.83V
80W	5.649A	1.086A	1.079A	0.487A	79.93	88.803%	0	<6.0	43.01°C	0.78
	12.090V	5.064V	3.362V	5.136V	89.978				39.26°C	229.83V

The results above are not used in the certification process

Ripple Measurements

115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	18.26mV	15.91mV	15.96mV	12.41mV	Pass
20% Load	22.71mV	16.78mV	16.82mV	11.29mV	Pass
30% Load	20.81mV	18.63mV	17.96mV	10.88mV	Pass
40% Load	22.71mV	18.84mV	19.39mV	11.03mV	Pass
50% Load	25.47mV	20.84mV	20.98mV	11.49mV	Pass
60% Load	26.80mV	22.79mV	23.04mV	11.49mV	Pass
70% Load	30.64mV	23.25mV	22.78mV	12.16mV	Pass
80% Load	29.31mV	26.89mV	26.37mV	14.93mV	Pass
90% Load	31.61mV	25.71mV	26.47mV	15.09mV	Pass
100% Load	37.69mV	29.21mV	28.70mV	18.26mV	Pass
110% Load	39.94mV	30.65mV	30.99mV	17.84mV	Pass
Crossload1	24.75mV	18.08mV	20.60mV	31.49mV	Pass
Crossload2	22.10mV	23.71mV	17.91mV	21.50mV	Pass

Test	12V	5V	3.3V	5VSB	Pass/Fail
Crossload3	18.16mV	16.01mV	20.47mV	23.19mV	Pass
Crossload4	36.96mV	27.64mV	26.61mV	26.56mV	Pass

The results above are not used in the certification process

230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	18.82mV	15.29mV	15.24mV	11.39mV	Pass
20% Load	20.71mV	16.68mV	16.47mV	11.24mV	Pass
30% Load	21.99mV	18.73mV	17.91mV	10.88mV	Pass
40% Load	22.86mV	19.14mV	19.19mV	11.24mV	Pass
50% Load	24.91mV	20.32mV	20.16mV	10.78mV	Pass
60% Load	27.31mV	21.30mV	20.67mV	10.83mV	Pass
70% Load	27.47mV	24.23mV	23.34mV	11.08mV	Pass
80% Load	29.51mV	23.35mV	24.88mV	11.13mV	Pass
90% Load	30.07mV	26.33mV	26.11mV	11.80mV	Pass
100% Load	37.57mV	27.72mV	29.82mV	14.96mV	Pass
110% Load	38.53mV	30.87mV	30.55mV	14.63mV	Pass
Crossload1	23.42mV	17.43mV	19.26mV	31.20mV	Pass
Crossload2	20.36mV	24.74mV	17.08mV	22.37mV	Pass
Crossload3	19.39mV	15.65mV	21.29mV	21.40mV	Pass
Crossload4	37.52mV	26.19mV	26.00mV	25.81mV	Pass

The results above are not used in the certification process

Super Flower Leadex VII PRO 1000W



Top side

Model NO: **SF-1000F14XP**
型号 / 型号: **SF-1000F14XP**

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

80 PLUS PLATINUM

100-240V~ 15A 60Hz/50Hz				
200-240V~ 10A 60Hz/50Hz (仅适用于中国 Only for China/Korea)				
+3.3V	+5V	+12V	-12V	+5VSB
20A	20A	83.3A	0.5A	2.5A
100W		999.6W	6W	12.5W
1000W				

certified to Comply with FCC Standards FOR OFFICE USE

certified personnel HRENNZONE in nur durch vorhanden! el autorisé & à l'intérieur!

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HYPO TEST

EAC RoHS

Barcode: S2404199011

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 LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

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

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