



Endorfy Vero L6 750W

Serial Number EY7A0142508000028

Lab ID EY75003017

Certification ID 253017

Test Result Report ID: 25PS3017A

Certificate Issue Date: Oct 31, 2025

115V 230V

Scheme: ETA-EMI PSU



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	Brue! & Kjaer 2270 G4
Microphone	Brue! & 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	Endorfy
Model	Vero L6 750W
OEM/ODM	Jiumeng
Serial Number	EY7A0142508000028
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	200-240
Rated Current (Arms)	5

Rated Frequency (Hz)	50-60
Rated Power (W)	750
Operating Temperature (Continuous Full Load) (°C)	
Type	ATX12V
Cable Design	Fixed cables
Warranty	-
Cybenetics Measurements	
Dimensions (W x H x D)	
Weight	
Cooling	120mm Fluid Dynamic Bearing Fan (Stratus 10-1111 0.25A)
Semi-Passive Operation	<i>x</i>
Cybenetics Testing Information	
Lab ID	EY75003017
Date of receipt	Oct 19, 2025
Testing Date	Oct 30, 2025
Report Issued Date	Oct 31, 2025
Engineer Name	Okeke Ugochukwu Onyedikachukwu
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Captive Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 24 pin (575mm)	1	1	18-20AWG	Copper
4+4 pin EPS12V (685mm+145mm)	1	2	18AWG	Copper
6+2 pin PCIe (575mm+145mm)	1	2	18AWG	Copper
6+2 pin PCIe (585mm)	1	1	18AWG	Copper
12+4 pin PCIe (615mm) (600W)	1	1	16-26AWG	Tinned Copper
SATA (510mm+150mm+150mm)	1	3	18AWG	Copper
SATA (510mm+150mm) / 4-pin Molex (+150mm)	1	2 / 1	18AWG	Copper

Modular Cables				
AC Power Cord (1360mm) - 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	62.5	3	0
	Watts	100		750	15	0
Total Max. Power (W)		750				

Parts Description

General Data	
Manufacturer (OEM)	Jiumeng
PCB Type	Double-Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	NTC Thermistor MF72 3D-20 (3 Ohm @ 25°C)
Bridge Rectifier	GBU1506 (600V, 3.2A @ 100°C) without heat sink
APFC MOSFETs	Way-On WML28N55C4 (550V, 28A @ 25°C, Rds(on): 0.125Ohm)
APFC Boost Diode	SI-Trend SI8U600F (600V, 8A @ 100°C)
Bulk Cap(s)	Teapo (400V, 470uF, 2000h @ 105°C, TD(M))
Main Switchers	2x Way-On WML28N55C4 (550V, 28A @ 25°C, Rds(on): 0.125Ohm)
PFC/PWM Combo Controller	Champion CM6800UBX

Topology	Primary side: APFC, Double Forward Secondary side: [12V] Synchronous Rectification & [Minor Rails] DC-DC converters
Secondary Side	
+12V MOSFETs	4x Way-On WMK025N06HG2 (60V, 106A @ 100°C, Rds(on): 3.2mOhm)
5V & 3.3V	DC-DC Converters: 4x Rectron Semiconductor RMN3N5R0DF (30V, 19.7A @ 100°C, Rds(on): 5mOhm) PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic: 9x Teapo (3,000 @ 105°C, SC) 2x Teapo (2,000 @ 105°C, SH) Polymer: 4x Teapo
Supervisor IC	GREENERGY GR8329E (OVP, UVP, OCP)
Fan Model	Stratus 10-1111 (120mm, 12V, 0.25A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	PingWei PS860L (60V, 8A)
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	✓

Performance Summary 230V

Accredited	
Average Efficiency (>1450 load combinations)	87.943%
Average Noise Output (>1450 Load Combinations)	32.00dBA
Average PF (>1450 Load Combinations)	0.969
Efficiency With 10W (≤500W) or 2% (>500W) Load	63.778%

Standby Power Consumption	0.1441W	
Non-Accredited		
12V Ripple (Full Load)	31.57mV	
5V Ripple (Full Load)	19.12mV	
3.3V Ripple (Full Load)	16.27mV	
5VSB Ripple (Full Load)	17.15mV	
12V Load Regulation	0.88%	
5V Load Regulation	0.48%	
3.3V Load Regulation	0.58%	
5VSB Load Regulation	2.34%	
Inrush Current	73.570A	
12V Transient Response (200%)	11.38V	
5V Transient Response (200%)	4.917V	
3.3V Transient Response (200%)	3.233V	
5VSB Transient Response (200%)	5.054V	
Hold-Up Time & PWR_OK Signal	17.00ms	
AC Loss to PWR_OK Hold Up Time	15.40ms	
PWR_OK Inactive to DC Loss Delay	1.60ms	
PSU Timings: T1 (20% / 100%)	50.0ms	48.0ms
PSU Timings: T3 (20% / 100%)	119.0ms	119.0ms
12V OCP (31.0°C / 42.3°C)	84.00A (134.40%), 12.118V	83.80A (134.08%), 12.119V
5V OCP (31.0°C / 42.3°C)	24.3A (121.50%), 4.973V	23.8A (119.00%), 4.974V
3.3V OCP (31.0°C / 42.3°C)	25.6A (128.00%), 3.289V	25A (125.00%), 3.291V
5VSB OCP (31.0°C / 42.3°C)	3.9A (130.00%), 5.013V	3.8A (126.67%), 5.01V
OPP (30.34°C / 43.62°C)	148.92%	126.61%

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	17
AC Loss to PWR_OK Hold Up Time (ms)	15.4
PWR_OK Inactive to DC Loss Delay (ms)	1.6

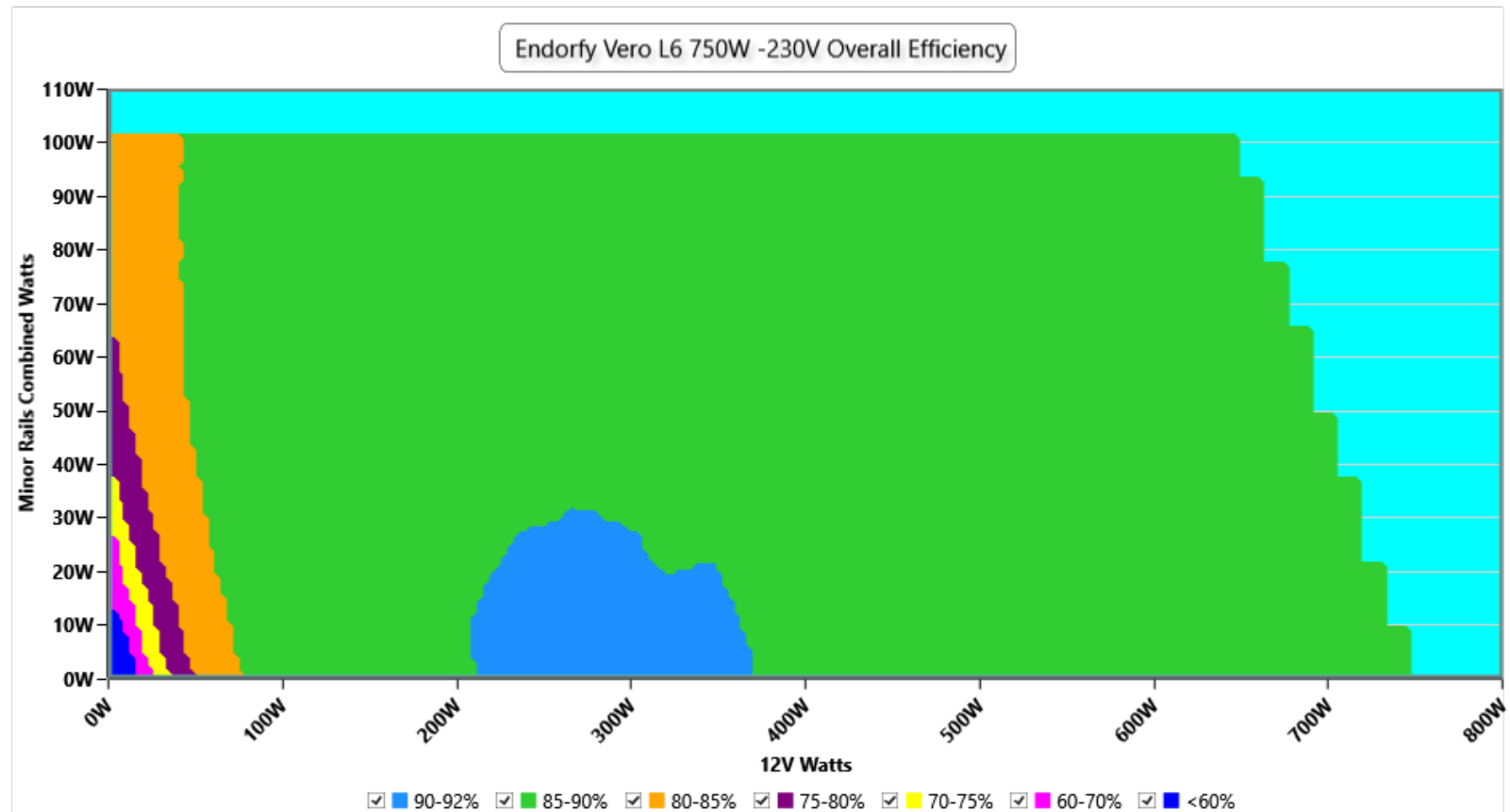
Stromverbrauch im Ruhezustand

Tables 230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.11 V	230.04 V	227.70 V	230.20 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	49.99 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:	0.144 W	0.089 W	N/A	0.194 W	N/A	N/A
Apparent Power:	21.889 W	21.853 W	N/A	21.928 W	N/A	N/A
Power Factor:	0.007	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

230V

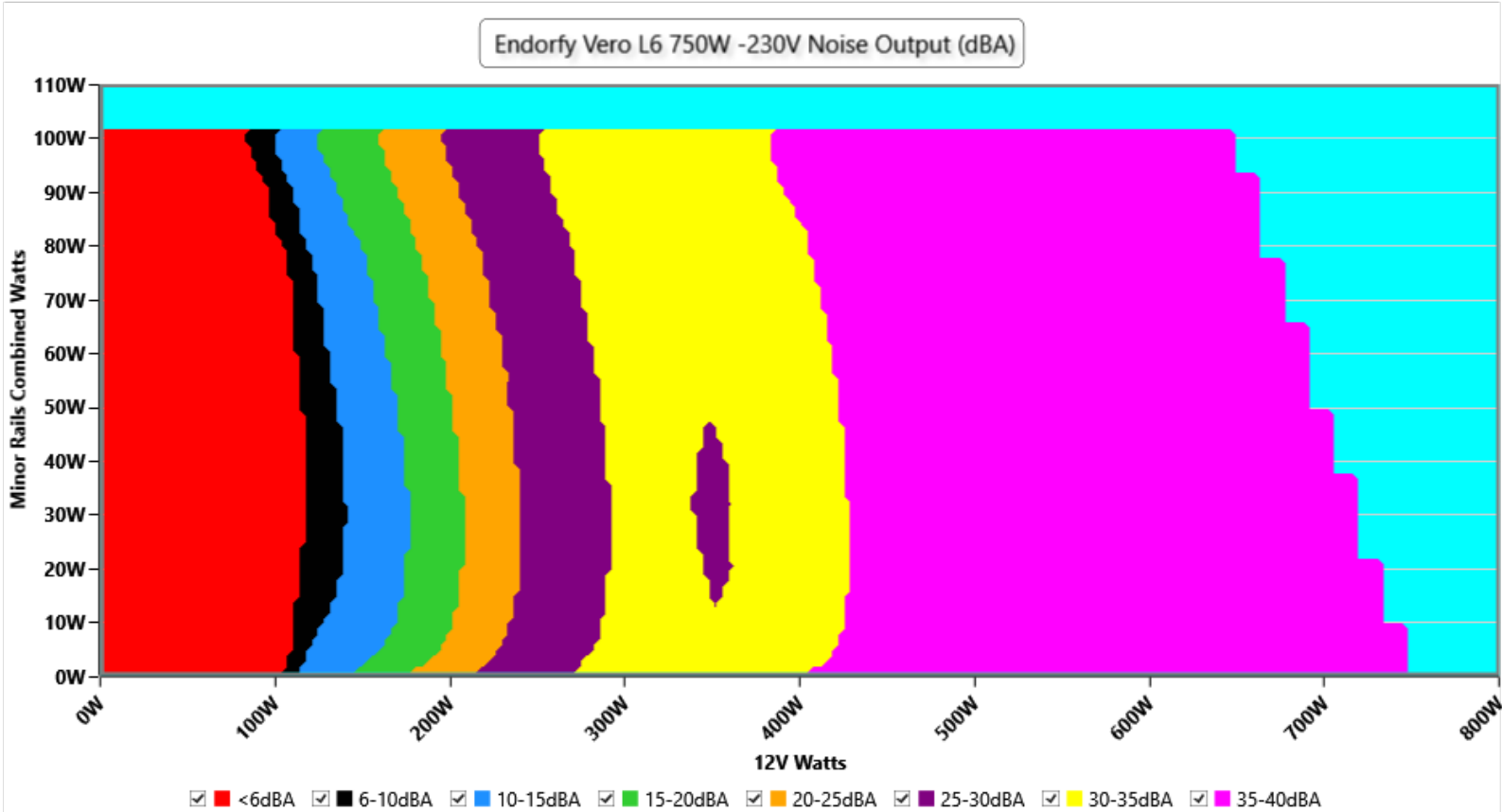


INFO

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

Noise Graph

230V

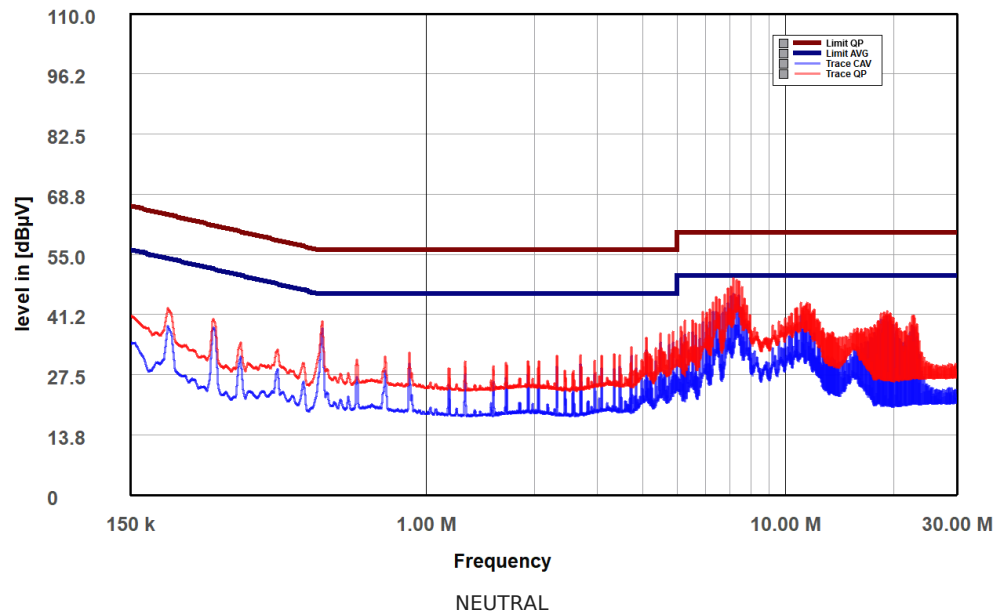


INFO

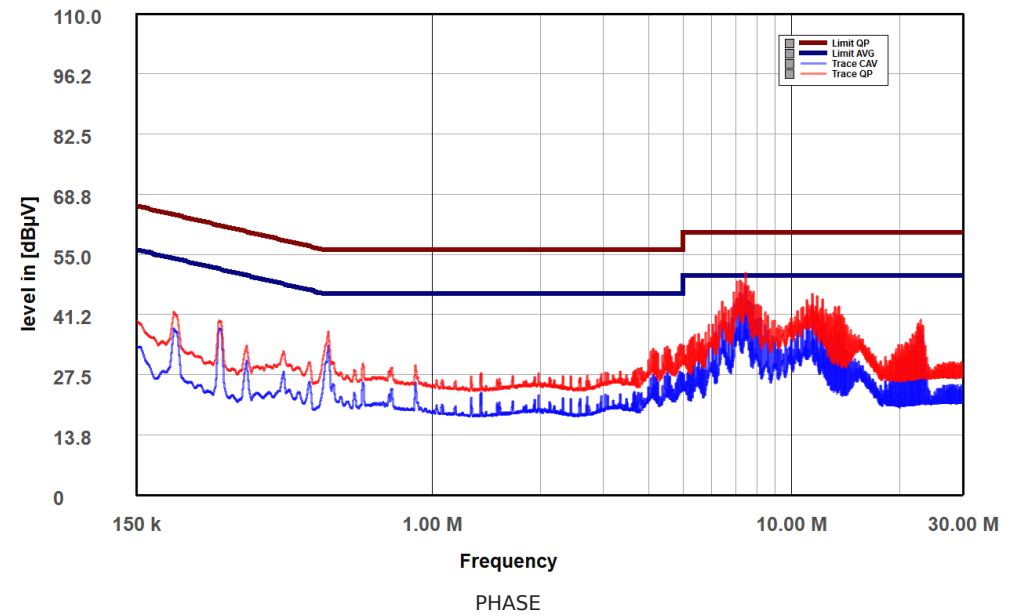
The PSU`s noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

Conducted Emissions EN 55032 & CISPR 32

Endordy Vero L6 750W (EY75003017) Neutral



Endordy Vero L6 750W (EY75003017) Phase

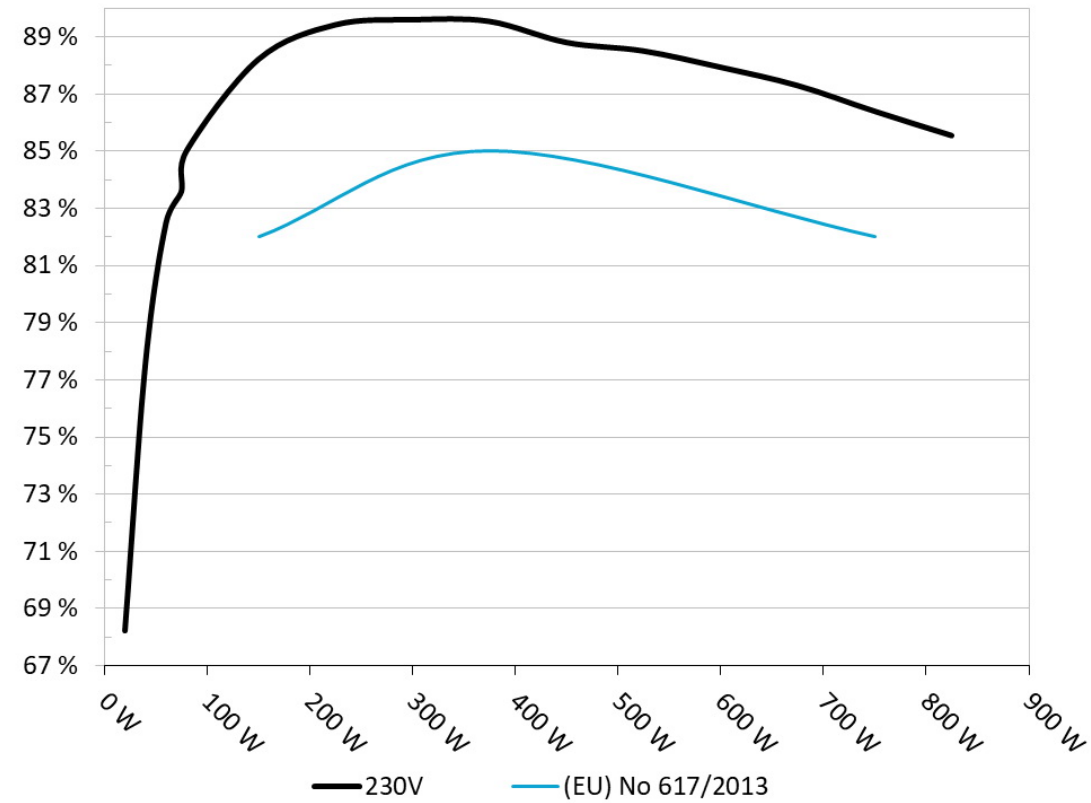


Indicative Performance

Efficiency under high ambient temperature

Efficiency: Endorfy Vero L6 750W

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

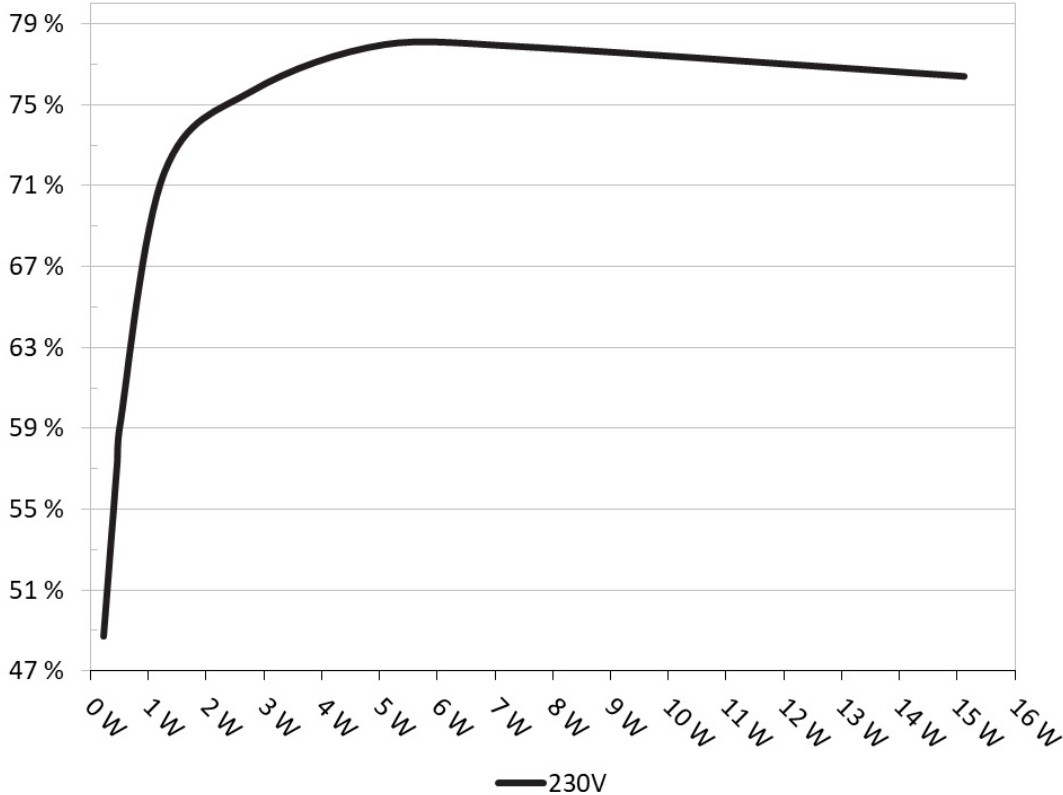


INFO

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: Endorfy Vero L6 750W
Ambient: 25°C - 30°C (77°F - 86°F)



INFO

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

5VSB Efficiency (ERP LOT 3/6 & CEC) 230V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231W	48.741%	0.022
	5.13V	0.475W		230.01V

2	0.09A	0.462W	57.159%	0.038
	5.128V	0.808W		230V
3	0.55A	2.814W	75.683%	0.154
	5.114V	3.717W		229.99V
4	1A	5.103W	77.96%	0.232
	5.101V	6.549W		229.99V
5	1.501A	7.632W	77.823%	0.284
	5.086V	9.807W		229.99V
6	3.001A	15.124W	76.384%	0.36
	5.04V	19.803W		229.97V

Protection Features

OCP (Normal @ 31.0°C)	12V: 84.00A (134.40%), 12.118V 5V: 24.3A (121.50%), 4.973V 3.3V: 25.6A (128.00%), 3.289V 5VSB: 3.9A (130.00%), 5.013V
OCP (Hot @ 42.3°C)	12V: 83.80A (134.08%), 12.119V 5V: 23.8A (119.00%), 4.974V 3.3V: 25A (125.00%), 3.291V 5VSB: 3.8A (126.67%), 5.01V
OPP (Normal @ 30.3°C)	1116.93W (148.92%)
OPP (Hot @ 43.6°C)	949.60W (126.61%)
OTP	✓ (105°C @ Heat Sink)
SCP	12V to Earth: ✓ 5V to Earth: ✓ 3.3V to Earth: ✓ 5VSB to Earth: ✓
PWR_OK	Proper Operation
UVP (Full Load @ 180V)	✓
UVP (No Damage @ 170V)	✓
Conducted Emissions EN55032 & CISPR 32	✓
NLO	✓
Fan Failure Protection	✗

SIP	Surge: MOV Inrush: NTC
-----	---------------------------

Supplementary Tests (For Reference)

Typical Load Tests 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%	4.405A	1.997A	1.997A	0.981A	75.005	83.606%	836	16.1	40.49°C	0.889
	12.124V	5.009V	3.305V	5.099V	89.713				44.63°C	230.08V
20%	9.828A	2.997A	2.997A	1.179A	149.964	88.225%	1115	25.1	40.96°C	0.95
	12.114V	5.007V	3.303V	5.091V	169.982				45.54°C	230.08V
30%	15.608A	3.498A	3.499A	1.378A	224.973	89.436%	1360	30.8	41.46°C	0.967
	12.104V	5.005V	3.301V	5.082V	251.545				46.3°C	230.07V
40%	21.404A	3.999A	4.001A	1.577A	300.065	89.611%	1538	34.7	41.87°C	0.976
	12.094V	5.003V	3.3V	5.073V	334.852				46.98°C	230.07V
50%	26.828A	5.001A	5.004A	1.778A	374.68	89.555%	1698	36.9	42.48°C	0.981
	12.083V	5.001V	3.298V	5.064V	418.38				48.47°C	230.06V
60%	32.306A	6.001A	6.004A	1.98A	449.743	88.816%	1790	38	42.84°C	0.985
	12.070V	5.001V	3.298V	5.051V	506.377				51.67°C	230.06V
70%	37.776A	7.009A	7.014A	2.181A	524.533	88.52%	1791	38	43.43°C	0.986
	12.056V	4.996V	3.294V	5.044V	592.558				52.41°C	230.05V
80%	43.318A	8.013A	8.02A	2.283A	599.754	87.949%	1796	38	43.51°C	0.988
	12.048V	4.993V	3.292V	5.038V	681.936				53.78°C	230.04V
90%	49.203A	8.517A	8.511A	2.386A	674.806	87.31%	1799	38.1	44.89°C	0.989
	12.039V	4.991V	3.29V	5.032V	772.887				58.08°C	230.03V
100%	54.921A	9.02A	9.031A	2.996A	749.999	86.406%	1801	38.1	45.84°C	0.99
	12.024V	4.989V	3.288V	5.008V	868.005				61.7°C	230.02V
110%	60.487A	10.028A	10.132A	2.999A	825.02	85.556%	1806	38.3	46.5°C	0.991
	12.016V	4.987V	3.286V	5.003V	964.299				64.11°C	230.01V
CL1	0.116A	12.055A	12.029A	0A	101.305	80.91%	1421	31.8	40.52°C	0.928
	12.122V	4.994V	3.3V	5.125V	125.207				47.92°C	230.1V

Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
CL2	0.115A	20.07A	0A	0A	101.399	79.236%	1245	28.6	40.75°C	0.929
	12.123V	4.983V	3.31V	5.127V	127.968				47.44°C	230.1V
CL3	0.115A	0A	20.027A	0A	67.392	74.535%	1128	25.3	41.89°C	0.89
	12.125V	5.015V	3.295V	5.124V	90.417				47.54°C	230.11V
CL4	62.388A	0A	0A	0A	749.73	86.927%	1804	38.2	45.79°C	0.99
	12.019V	5.006V	3.295V	5.101V	862.503				58.28°C	230.03V

The results above are not used in the certification process

Light Load Tests 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	1.224A	0.499A	0.499A	0.195A	20.004	68.219%	613	<6.0	36.55°C	0.637
	12.130V	5.013V	3.307V	5.125V	29.323				39.73°C	230.07V
40W	2.696A	0.698A	0.699A	0.293A	40.001	77.604%	619	<6.0	37.89°C	0.787
	12.127V	5.013V	3.307V	5.122V	51.543				41.3°C	230.07V
60W	4.167A	0.898A	0.898A	0.391A	60	82.5%	630	6.6	38.55°C	0.857
	12.124V	5.011V	3.306V	5.118V	72.73				42.87°C	230.07V
80W	5.637A	1.098A	1.098A	0.489A	79.96	85.022%	745	12	39.45°C	0.896
	12.122V	5.01V	3.305V	5.114V	94.048				43.96°C	230.06V

The results above are not used in the certification process

Ripple Measurements 230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	10.99mV	11.78mV	8.14mV	8.46mV	Pass
20% Load	10.53mV	11.83mV	8.80mV	8.97mV	Pass
30% Load	11.09mV	12.40mV	9.05mV	9.43mV	Pass
40% Load	13.64mV	12.24mV	9.71mV	9.63mV	Pass
50% Load	14.30mV	12.60mV	10.07mV	11.00mV	Pass
60% Load	18.67mV	13.06mV	10.22mV	13.04mV	Pass
70% Load	20.76mV	14.44mV	10.58mV	14.67mV	Pass

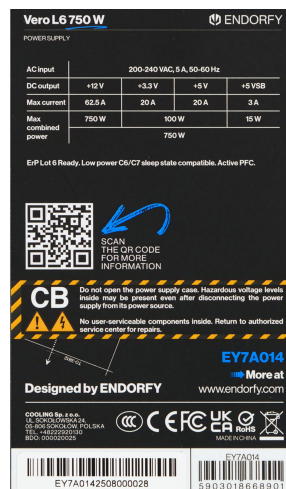
Test	12V	5V	3.3V	5VSB	Pass/Fail
80% Load	25.80mV	16.58mV	15.77mV	16.25mV	Pass
90% Load	27.94mV	16.83mV	16.43mV	16.30mV	Pass
100% Load	31.57mV	19.12mV	16.27mV	17.15mV	Pass
110% Load	36.13mV	19.83mV	18.21mV	17.54mV	Pass
Crossload1	9.78mV	16.82mV	18.27mV	8.80mV	Pass
Crossload2	11.40mV	23.82mV	9.05mV	8.51mV	Pass
Crossload3	11.04mV	12.40mV	26.14mV	10.70mV	Pass
Crossload4	35.37mV	15.27mV	9.11mV	11.13mV	Pass

The results above are not used in the certification process

Endorfy Vero L6 750W



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

CYBENETICS LTD Syrou 6, Latsia, 2231, Nicosia Cyprus

www.cybenetics.com - info@cybenetics.com