



## Einarex Apex L1 750W

Serial Number

Lab ID EX75002546

Certification ID 252546

Test Result Report ID: 24PS2546A

Certificate Issue Date: Aug 27, 2024

115V

230V

Scheme: ETA-EMI PSU



115V

230V

### No LAMBDA level

Average noise output 45.30  
dB(A), above the 45 dB(A)  
limit of the lowest LAMBDA  
level (Standard).

Scheme: LAMBDA PSU

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<br>Chroma 63600-2<br>Chroma 63640-80-80 x10<br>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        | Brueel & Kjaer 2270 G4                                                              |
| Microphone            | Brueel & 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                             | Einarex              |
| Model                             | Apex L1 750W         |
| OEM/ODM                           | Tecnomall Technology |
| Serial Number                     |                      |
| Product Specifications            |                      |
| Manufacturer-Provided Information |                      |
| Rated Voltage (Vrms)              | 200-240              |
| Rated Current (Arms)              | 6                    |

|                                                   |                                                                                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Rated Frequency (Hz)                              | 50-60                                                                                                  |
| Rated Power (W)                                   | 750                                                                                                    |
| Operating Temperature (Continuous Full Load) (°C) |                                                                                                        |
| Type                                              | ATX12V                                                                                                 |
| Cable Design                                      | Semi Modular                                                                                           |
| Warranty                                          | -                                                                                                      |
| Cybenetics Measurements                           |                                                                                                        |
| Dimensions (W x H x D)                            |                                                                                                        |
| Weight                                            |                                                                                                        |
| Cooling                                           | 120mm Hydro Dynamic Bearing Fan                                                                        |
| Semi-Passive Operation                            | X                                                                                                      |
| Cybenetics Testing Information                    |                                                                                                        |
| Lab ID                                            | EX75002546                                                                                             |
| Date of receipt                                   | Aug 13, 2024                                                                                           |
| Testing Date                                      | Aug 23, 2024                                                                                           |
| Report Issued Date                                | Aug 27, 2024                                                                                           |
| DUT Notes                                         | Protections are not properly set. Not smooth voltage waveform and voltage spikes during turn on tests. |
| Engineer Name                                     | -                                                                                                      |
| 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 20+4 pin (520mm)                   | 1           | 1                       | 18-22AWG | No                  |
| 8 pin EPS12V (610mm) / 4 + 4 pin EPS12V (+150mm) | 1           | 2                       | 18AWG    | No                  |
| Modular Cables                                   |             |                         |          |                     |
| 6+2 pin PCIe (530mm)                             | 1           | 1                       | 18AWG    | No                  |
| 6+2 pin PCIe (550mm+145mm)                       | 1           | 2                       | 18AWG    | No                  |
| SATA (450mm+155mm+155mm)                         | 2           | 6                       | 18AWG    | No                  |

|                                      |   |   |       |    |
|--------------------------------------|---|---|-------|----|
| 4-pin Molex (450mm+150mm)            | 1 | 1 | 18AWG | No |
| AC Power Cord (1410mm) - 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  | 18   | 18 | 62  | 3    | 0.3  |
|                      | Watts | 120  |    | 744 | 15   | 3.6  |
| Total Max. Power (W) |       | 750  |    |     |      |      |

### Parts Description

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| <b>General Data</b> |                                                            |
| Manufacturer (OEM)  | Tecnomall Technology                                       |
| PCB Type            | Single-Sided                                               |
| <b>Primary Side</b> |                                                            |
| Transient Filter    | 4x Y caps, 2x X caps, 2x CM chokes                         |
| Inrush Protection   | 1x NTC Thermistor 2.5d-11 (2.5 ohm) & Relay                |
| Bridge Rectifier(s) | 1x GBU1508 (800V, 15A @ 40°C)                              |
| APFC MOSFETs        | 1x Fuxin FXN25N50F (500V, 13.7A @ 100°C, Rds(on): 0.26Ohm) |
| APFC Boost Diode    | 1x SI15U600F (600V, 15A)                                   |

|                        |                                                                                                           |
|------------------------|-----------------------------------------------------------------------------------------------------------|
| Bulk Cap(s)            | 1x Teapo (400V, 390uF, 2,000h @ 105°C, LH)                                                                |
| Main Switchers         | 2x Fuxin FXN25S55GF (550V, 20A @ 100°C, Rds(on): 0.12Ohm)                                                 |
| PFC/PWM Controller     | Champion CM6805BG                                                                                         |
| Topology               | Primary side: APFC, Half-Bridge & Double Forward Secondary side: Passive Rectification & Group Regulation |
| <b>Secondary Side</b>  |                                                                                                           |
| +12V MOSFETs           | 4x Maple Semi SLP150N06G (60V, 150A @ 100°C, Rds(on): 3mOhm)                                              |
| 5V & 3.3V              | 2x Kanghong P30U45CT SR (45V, 15A @ 25°C)                                                                 |
| Filtering Capacitors   | Electrolytic: 3x Shenzhen Technology (3,000h @105°C, WE) 11x Hangcon (105°C)                              |
| Supervisor IC          | UTC8313                                                                                                   |
| Fan Model              | Einarex (120mm, 12V, 0.30A, Hydraumatic Bearing Fan)                                                      |
| <b>5VSB</b>            |                                                                                                           |
| TVS Diode              | Littelfuse P6SMB                                                                                          |
| Rectifier              | Chongqing PS1045L SBR (45V, 10A)                                                                          |
| Standby PWM Controller | Esthome EST.2816D                                                                                         |

## 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 | ✓                 |

### Performance Summary 230V

|                                              |         |
|----------------------------------------------|---------|
| Accredited                                   |         |
| Average Efficiency (>1450 load combinations) | 85.973% |

|                                                |                            |                            |
|------------------------------------------------|----------------------------|----------------------------|
| Average Noise Output (>1450 Load Combinations) | 45.30dBA                   |                            |
| Average PF (>1450 Load Combinations)           | 0.922                      |                            |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | -                          |                            |
| Standby Power Consumption                      | 0.1072W                    |                            |
| Non-Accredited                                 |                            |                            |
| 12V Ripple (Full Load)                         | 71.44mV                    |                            |
| 5V Ripple (Full Load)                          | 35.56mV                    |                            |
| 3.3V Ripple (Full Load)                        | 28.98mV                    |                            |
| 5VSB Ripple (Full Load)                        | 27.01mV                    |                            |
| 12V Load Regulation                            | 3.51%                      |                            |
| 5V Load Regulation                             | 3.45%                      |                            |
| 3.3V Load Regulation                           | 4.87%                      |                            |
| 5VSB Load Regulation                           | 5.99%                      |                            |
| Inrush Current                                 | 130.500A                   |                            |
| Hold-Up Time & PWR_OK Signal                   | 11.90ms                    |                            |
| AC Loss to PWR_OK Hold Up Time                 | 9.10ms                     |                            |
| PWR_OK Inactive to DC Loss Delay               | 2.80ms                     |                            |
| PSU Timings: T1 (20% / 100%)                   | 51.0ms                     | 48.0ms                     |
| PSU Timings: T3 (20% / 100%)                   | 306.0ms                    | 311.0ms                    |
| 12V OCP (25.9°C / 42.2°C)                      | 66.00A (106.45%), 11.416V* | 64.00A (103.23%), 11.425V* |
| 5V OCP (25.9°C / 42.2°C)                       |                            |                            |
| 3.3V OCP (25.9°C / 42.2°C)                     |                            |                            |
| 5VSB OCP (25.9°C / 42.2°C)                     | 27.2A (151.11%), 3.143V*   | 22A (122.22%), 3.151V*     |
| OPP (27.12°C / 43.60°C)                        | 123.07%                    | 122.67%                    |

## Hold-Up Time & PWR\_OK Signal

|                                       |      |
|---------------------------------------|------|
| Hold-Up Time (ms)                     | 11.9 |
| AC Loss to PWR_OK Hold Up Time (ms)   | 9.1  |
| PWR_OK Inactive to DC Loss Delay (ms) | 2.8  |

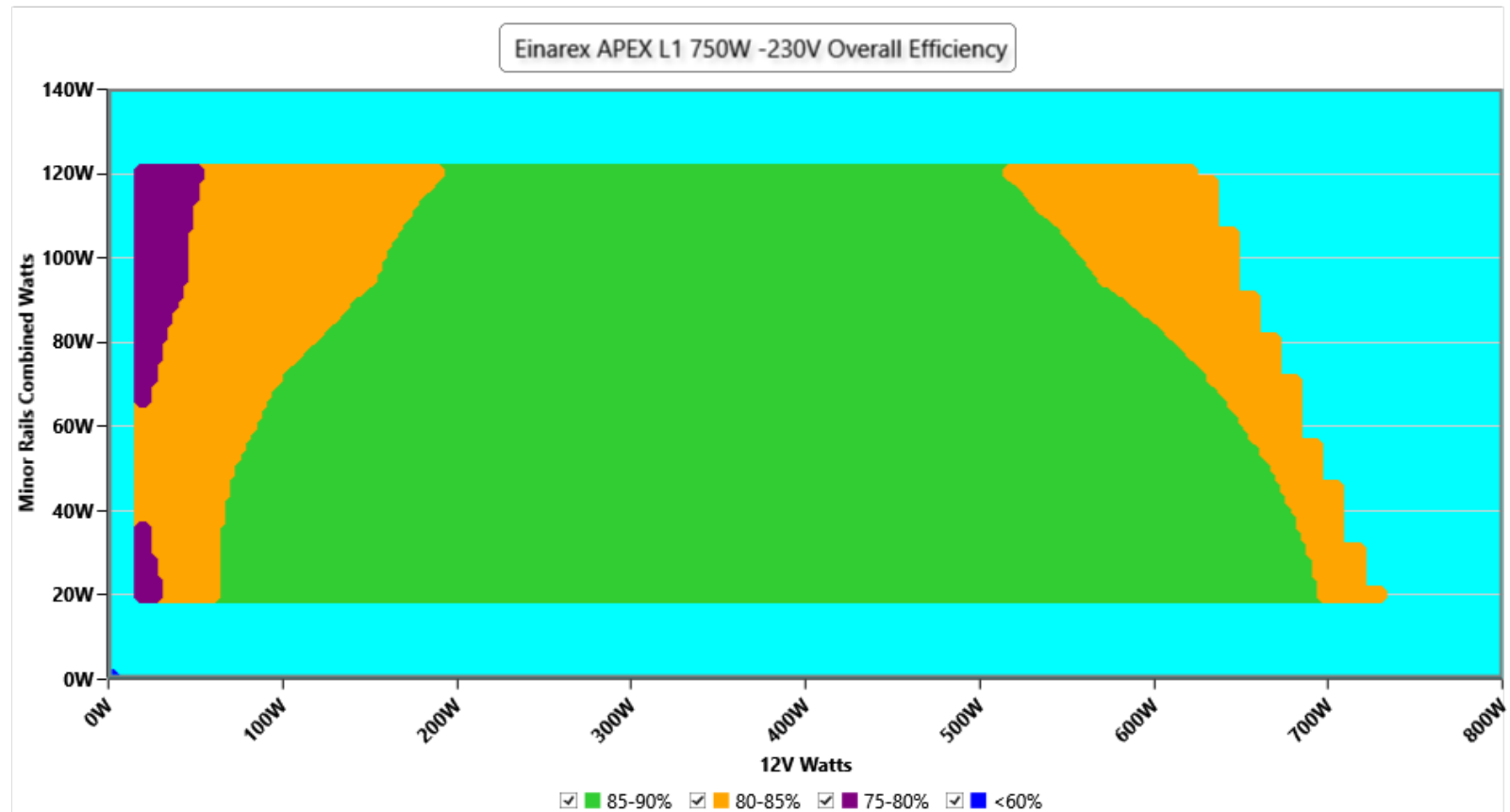
## Vampire Power

### Tables 230V

| Detailed Results   |          |          |           |          |           |        |
|--------------------|----------|----------|-----------|----------|-----------|--------|
|                    | Average  | Min      | Limit Min | Max      | Limit Max | Result |
| Mains Voltage RMS: | 231.05 V | 230.93 V | 227.70 V  | 231.10 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 %   | 0.14 %   | N/A       | 0.29 %   | 2.00 %    | PASS   |
| Real Power:        | 0.107 W  | 0.065 W  | N/A       | 0.183 W  | N/A       | N/A    |
| Apparent Power:    | 21.648 W | 21.271 W | N/A       | 22.045 W | N/A       | N/A    |
| Power Factor:      | 0.006    | N/A      | N/A       | N/A      | N/A       | N/A    |

## Efficiency Graph

230V

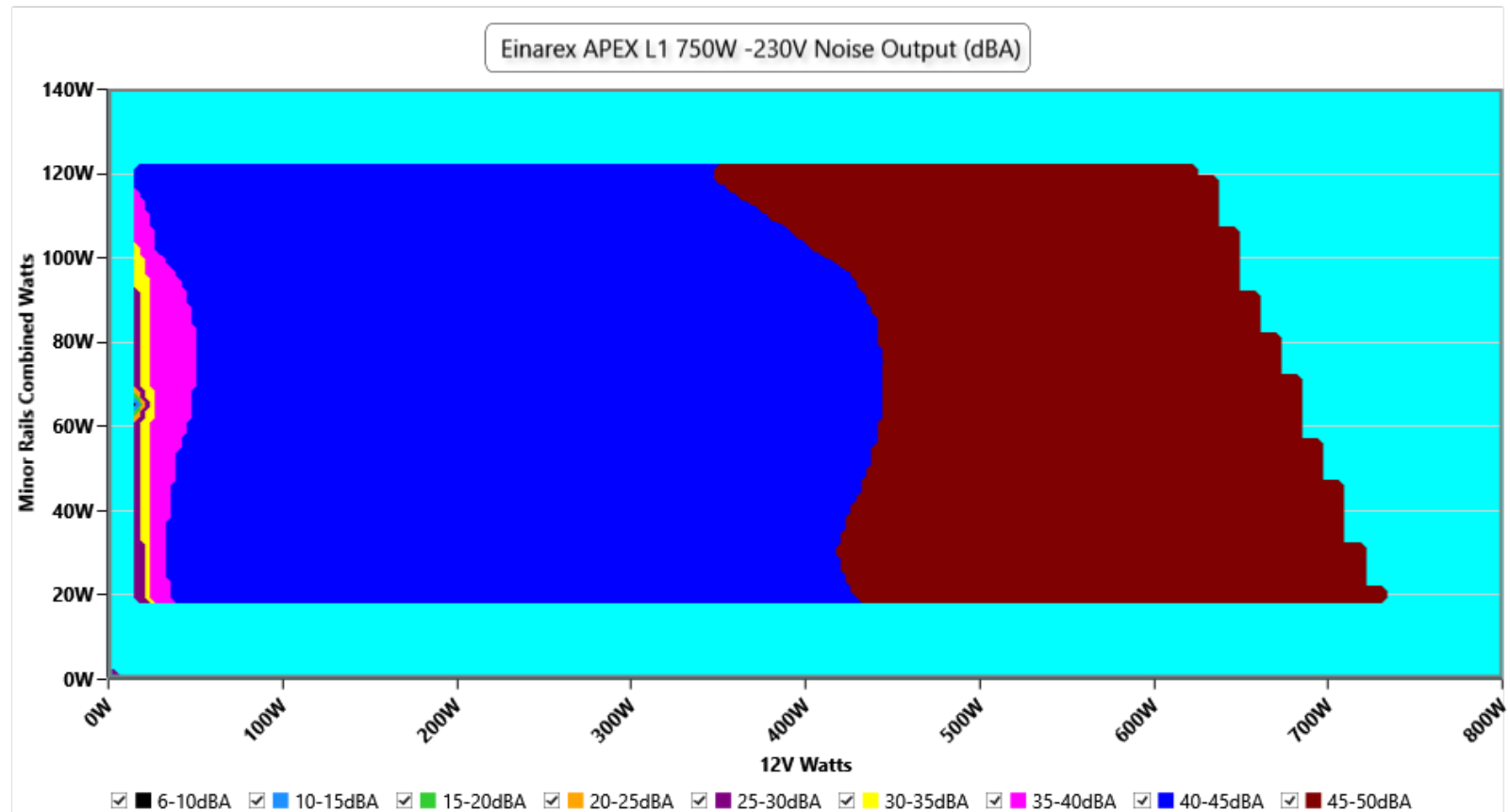


### INFO

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

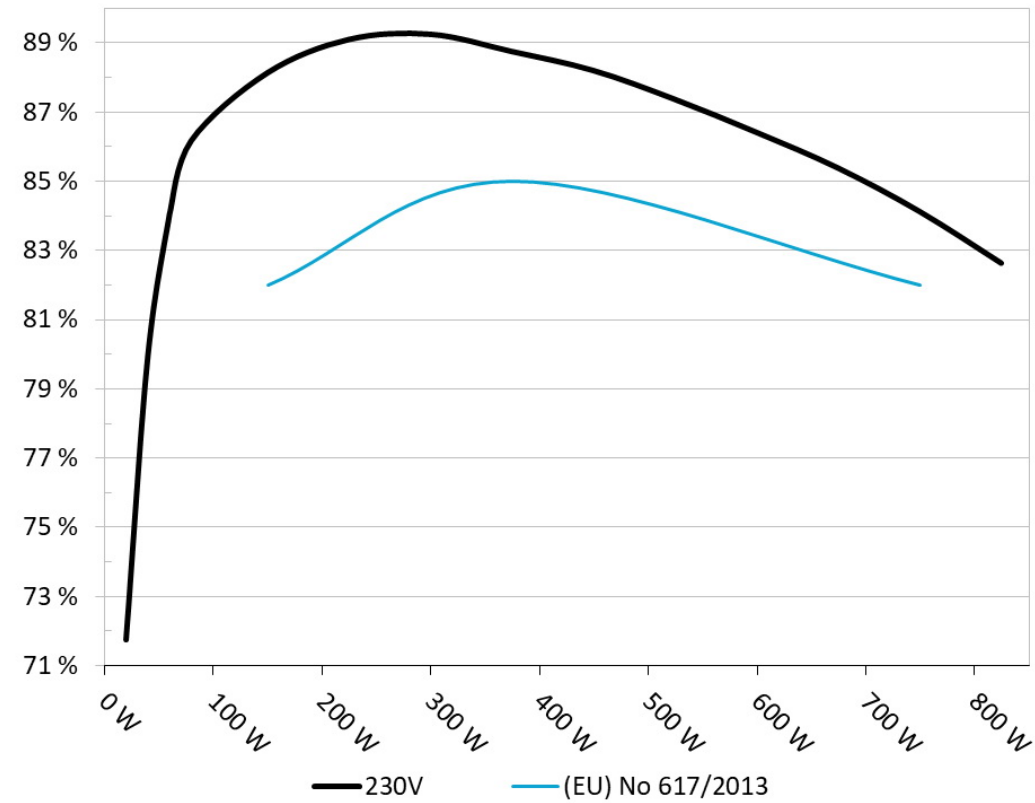
The PSU's noise in its entire operational range and under 30-32 °C ambient is depicted in this graph. The X axis represents the load on the +12V rail(s) while the Y axis is the load on the minor rails

## Indicative Performance

### Efficiency under high ambient temperature

Efficiency: Einarex APEX L1 750W

Ambient: 37°C - 46°C (98.6°F - 114.8°F)

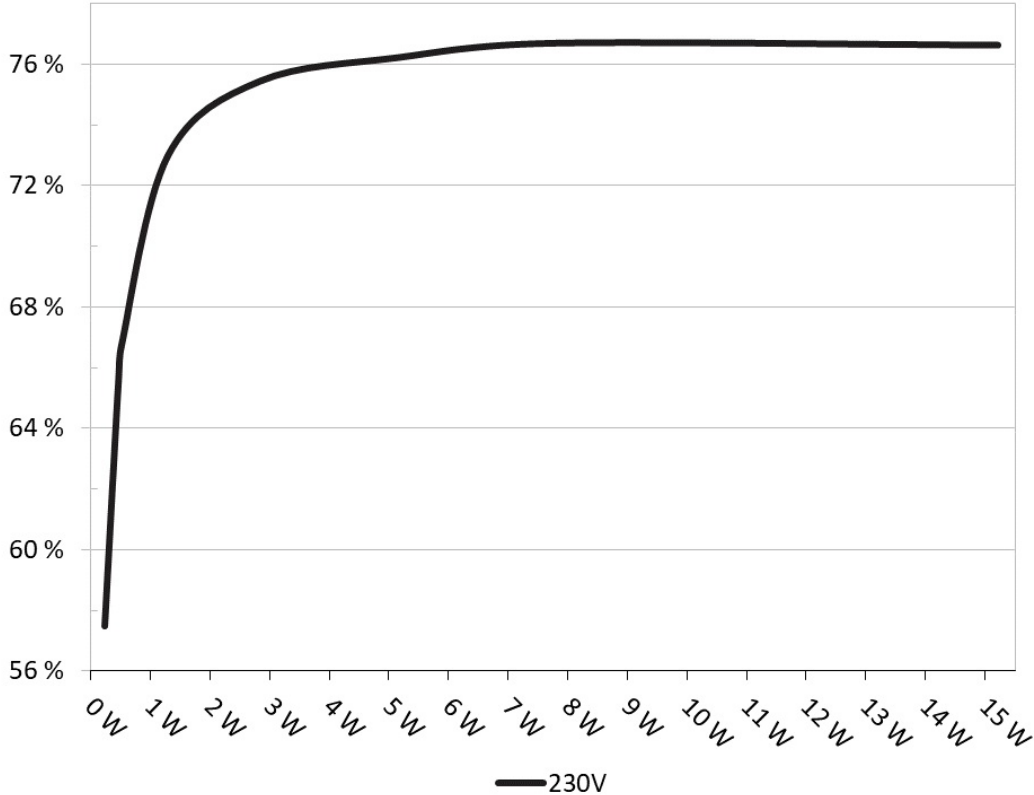


### INFO

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: Einarex APEX L1 750W  
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) 230V

| Test # | 5VSB   | DC/AC (Watts) | Efficiency | PF/AC Volts |
|--------|--------|---------------|------------|-------------|
| 1      | 0.045A | 0.233W        | 57.472%    | 0.017       |
|        | 5.178V | 0.406W        |            | 229.84V     |

|          |              |         |         |         |
|----------|--------------|---------|---------|---------|
| <b>2</b> | <b>0.09A</b> | 0.466W  | 65.663% | 0.03    |
|          | 5.175V       | 0.711W  |         | 229.86V |
| <b>3</b> | <b>0.55A</b> | 2.838W  | 75.453% | 0.143   |
|          | 5.159V       | 3.761W  |         | 229.84V |
| <b>4</b> | <b>1A</b>    | 5.144W  | 76.227% | 0.219   |
|          | 5.143V       | 6.749W  |         | 229.84V |
| <b>5</b> | <b>1.5A</b>  | 7.689W  | 76.7%   | 0.251   |
|          | 5.125V       | 10.025W |         | 229.84V |
| <b>6</b> | <b>3A</b>    | 15.215W | 76.639% | 0.335   |
|          | 5.071V       | 19.852W |         | 229.84V |

## Protection Features

|                     |                                                                                                                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OCP (Cold @ 25.9°C) | 12V: 66.00A (106.45%), 11.416V*<br>*Didn't shut down, low voltage (11.099V@80A)<br>5V: <4.75V @18A<br>3.3V: 27.2A (151.11%), 3.143V*<br>*Didn't shut down, low voltage (3.126V@27.3A)<br>5VSB: 4.7A (156.67%), 4.919V |
| OCP (Hot) @ 42.2°C) | 12V: 64.00A (103.23%), 11.425V*<br>*Didn't shut down, low voltage (11.055V@81A)<br>5V: <4.75V @18A<br>3.3V: 22A (122.22%), 3.151V*<br>*Didn't shut down, low voltage (2.507V@27.1A)<br>5VSB: 4.3A (143.33%), 4.95V    |
| OPP (Cold @ 27.1°C) | 923.03W (123.07%)                                                                                                                                                                                                     |
| OPP (Hot @ 43.6°C)  | 920.03W (122.67%)                                                                                                                                                                                                     |
| OTP                 | ✓ (156°C @ Heat Sink)                                                                                                                                                                                                 |
| SCP                 | 12V to Earth: ✓<br>5V to Earth: ✓<br>3.3V to Earth: ✓<br>5VSB to Earth: ✓<br>-12V to Earth: ✓                                                                                                                         |
| PWR_OK              | Accurate but lower than 16.0ms                                                                                                                                                                                        |
| NLO                 | ✓                                                                                                                                                                                                                     |

|                        |                            |
|------------------------|----------------------------|
| Fan Failure Protection | X                          |
| SIP                    | Surge: None<br>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%  | 4.392A  | 1.945A  | 1.947A  | 0.976A | 75.002        | 84.231%    | 1455            | 42.2              | 40.08°C        | 0.768       |
|      | 12.158V | 5.141V  | 3.389V  | 5.125V | 89.043        |            |                 |                   | 42.23°C        | 229.83V     |
| 20%  | 9.811A  | 2.93A   | 2.934A  | 1.177A | 149.933       | 88.12%     | 1571            | 43.8              | 40.71°C        | 0.841       |
|      | 12.134V | 5.119V  | 3.374V  | 5.1V   | 170.146       |            |                 |                   | 43.5°C         | 229.82V     |
| 30%  | 15.624A | 3.423A  | 3.436A  | 1.379A | 224.932       | 89.085%    | 1677            | 43.3              | 41.26°C        | 0.872       |
|      | 12.089V | 5.113V  | 3.361V  | 5.076V | 252.492       |            |                 |                   | 45.2°C         | 229.81V     |
| 40%  | 21.492A | 3.916A  | 3.944A  | 1.584A | 300.021       | 89.234%    | 1746            | 45.1              | 41.79°C        | 0.896       |
|      | 12.043V | 5.107V  | 3.347V  | 5.052V | 336.218       |            |                 |                   | 46.68°C        | 229.79V     |
| 50%  | 26.994A | 4.915A  | 4.954A  | 1.791A | 374.417       | 88.739%    | 1831            | 49.7              | 42.44°C        | 0.918       |
|      | 12.000V | 5.087V  | 3.331V  | 5.026V | 421.932       |            |                 |                   | 48.52°C        | 229.78V     |
| 60%  | 32.514A | 5.921A  | 5.975A  | 2A     | 449.334       | 88.192%    | 1902            | 49.3              | 42.76°C        | 0.935       |
|      | 11.980V | 5.067V  | 3.314V  | 5V     | 509.496       |            |                 |                   | 50.59°C        | 229.77V     |
| 70%  | 38.122A | 6.934A  | 7.006A  | 2.212A | 524.263       | 87.361%    | 1922            | 49.9              | 43.33°C        | 0.95        |
|      | 11.940V | 5.048V  | 3.297V  | 4.973V | 600.112       |            |                 |                   | 52.71°C        | 229.76V     |
| 80%  | 43.806A | 7.952A  | 8.049A  | 2.325A | 599.49        | 86.406%    | 1923            | 49.9              | 43.67°C        | 0.959       |
|      | 11.907V | 5.03V   | 3.28V   | 4.947V | 693.806       |            |                 |                   | 55.99°C        | 229.74V     |
| 90%  | 50.023A | 8.466A  | 8.578A  | 2.438A | 674.525       | 85.377%    | 1919            | 49.8              | 44.56°C        | 0.966       |
|      | 11.835V | 5.02V   | 3.264V  | 4.923V | 790.059       |            |                 |                   | 60.1°C         | 229.72V     |
| 100% | 56.093A | 8.974A  | 9.146A  | 3.077A | 749.755       | 84.119%    | 1915            | 49.7              | 45.32°C        | 0.972       |
|      | 11.767V | 5.014V  | 3.247V  | 4.875V | 891.312       |            |                 |                   | 64.46°C        | 229.71V     |
| 110% | 62.002A | 10.002A | 10.318A | 3.094A | 824.779       | 82.63%     | 1912            | 49.5              | 46.47°C        | 0.976       |
|      | 11.717V | 4.999V  | 3.227V  | 4.848V | 998.162       |            |                 |                   | 69.87°C        | 229.68V     |

| Test | 12V     | 5V      | 3.3V    | 5VSB   | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
|------|---------|---------|---------|--------|---------------|------------|-----------------|-------------------|----------------|-------------|
| CL1  | 1.910A  | 15.201A | 14.417A | 0.491A | 146.418       | 77.315%    | 1962            | 51.1              | 40.3°C         | 0.843       |
|      | 12.576V | 4.75V   | 3.308V  | 5.096V | 189.382       |            |                 |                   | 46.61°C        | 229.82V     |
| CL2  | 1.902A  | 18.328A | 0.981A  | 0.488A | 116.487       | 79.698%    | 1891            | 49.4              | 40.03°C        | 0.827       |
|      | 12.620V | 4.729V  | 3.365V  | 5.119V | 146.161       |            |                 |                   | 44.34°C        | 229.82V     |
| CL3  | 1.974A  | 0.976A  | 16.336A | 0.488A | 85.902        | 73.882%    | 1838            | 49.7              | 40.48°C        | 0.805       |
|      | 12.162V | 5.123V  | 3.33V   | 5.12V  | 116.27        |            |                 |                   | 43.7°C         | 229.83V     |
| CL4  | 64.933A | 0.943A  | 1.002A  | 0.501A | 749.957       | 84.493%    | 1888            | 49.5              | 44.98°C        | 0.974       |
|      | 11.383V | 5.302V  | 3.293V  | 4.995V | 887.605       |            |                 |                   | 56.96°C        | 229.71V     |

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  | 1.219A  | 0.484A | 0.485A | 0.194A | 20.004        | 71.764%    | 928             | 27.7              | 36.69°C        | 0.563       |
|      | 12.181V | 5.165V | 3.405V | 5.167V | 27.876        |            |                 |                   | 37.88°C        | 229.85V     |
| 40W  | 2.700A  | 0.675A | 0.679A | 0.291A | 40.002        | 79.946%    | 1058            | 31.4              | 37.79°C        | 0.616       |
|      | 12.109V | 5.187V | 3.401V | 5.16V  | 50.04         |            |                 |                   | 38.95°C        | 229.85V     |
| 60W  | 4.171A  | 0.869A | 0.874A | 0.388A | 60            | 84.06%     | 1194            | 36.1              | 38.57°C        | 0.726       |
|      | 12.114V | 5.18V  | 3.397V | 5.152V | 71.376        |            |                 |                   | 40.04°C        | 229.84V     |
| 80W  | 5.641A  | 1.063A | 1.07A  | 0.486A | 79.94         | 86.164%    | 1307            | 38.8              | 39.29°C        | 0.775       |
|      | 12.110V | 5.173V | 3.393V | 5.144V | 92.775        |            |                 |                   | 41.3°C         | 229.83V     |

The results above are not used in the certification process

### Ripple Measurements 230V

| Test     | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|----------|---------|---------|---------|---------|-----------|
| 10% Load | 23.22mV | 19.14mV | 16.11mV | 16.68mV | Pass      |
| 20% Load | 24.45mV | 18.48mV | 18.21mV | 17.14mV | Pass      |
| 30% Load | 25.78mV | 19.71mV | 18.67mV | 17.34mV | Pass      |
| 40% Load | 26.03mV | 19.71mV | 18.98mV | 15.60mV | Pass      |
| 50% Load | 29.46mV | 19.96mV | 20.52mV | 16.32mV | Pass      |

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| 60% Load   | 33.66mV | 20.63mV | 20.52mV | 17.08mV | Pass      |
| 70% Load   | 34.37mV | 21.04mV | 23.03mV | 18.16mV | Pass      |
| 80% Load   | 38.46mV | 22.07mV | 24.88mV | 19.96mV | Pass      |
| 90% Load   | 51.15mV | 25.61mV | 25.65mV | 21.24mV | Pass      |
| 100% Load  | 71.44mV | 35.56mV | 28.98mV | 27.01mV | Pass      |
| 110% Load  | 78.22mV | 40.01mV | 33.41mV | 31.21mV | Pass      |
| Crossload1 | 30.24mV | 31.39mV | 25.33mV | 15.64mV | Pass      |
| Crossload2 | 27.26mV | 28.33mV | 15.75mV | 13.14mV | Pass      |
| Crossload3 | 22.20mV | 20.12mV | 21.96mV | 14.42mV | Pass      |
| Crossload4 | 80.14mV | 35.40mV | 33.55mV | 31.13mV | Pass      |

The results above are not used in the certification process

Einarex Apex L1 750W



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

**EINAREX**

**APEX L1 750W**

|                        |                         |      |       |      |       |
|------------------------|-------------------------|------|-------|------|-------|
| Model                  | APEX L1 750W            |      |       |      |       |
| AC Input               | 200-240VAC, 6A, 50-60Hz |      |       |      |       |
| DC Output              | +12V                    | +5V  | +3.3V | -12V | +5VSB |
| Max Output Current     | 62A                     | 18A  | 18A   | 0.3A | 3A    |
| Max Combined Power     | 744W                    | 120W |       | 3.6W | 15W   |
| Total Power            | 750W                    |      |       |      |       |
| Electrical Protections | SCP, UVP, OVP, OPP      |      |       |      |       |





**WARNING**  
Hazardous voltages contained within this power supply.  
Not user serviceable. Return to service center for repair.

Made in China

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](http://www.cybenetics.com) - [info@cybenetics.com](mailto:info@cybenetics.com)