



## Seasonic Prime Fanless TX-700 (#2)

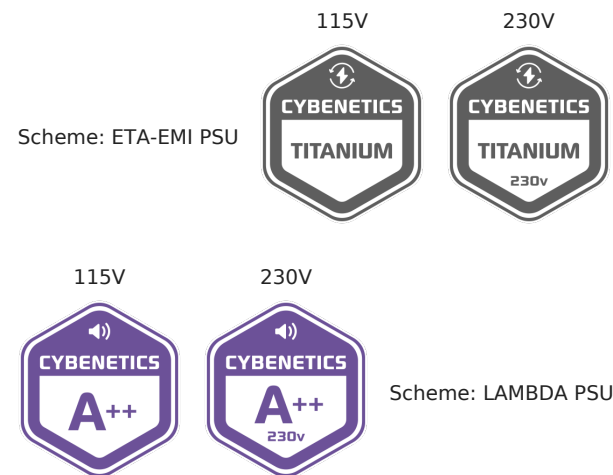


Lab ID SS70001926

Certification ID 251926

Test Result Report ID: 21PS1926A

Certificate Issue Date: Oct 27, 2021



A handwritten signature in black ink, appearing to read 'A. Bitziopoulos', written over a faint circular stamp.

Aristeidis Bitziopoulos, Certification Body General Manager

## 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        | 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                             |  | Seasonic                  |
| Model                             |  | Prime Fanless TX-700 (#2) |
| OEM/ODM                           |  | Seasonic                  |
| Serial Number                     |  |                           |
| Product Specifications            |  |                           |
| Manufacturer-Provided Information |  |                           |
| □□□□ (Vrms)                       |  | 100-240                   |
| □□□□ (Arms)                       |  | 9.5-4.5                   |
| □□□□ (Hz)                         |  | 50-60                     |

|                                                   |                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------|
| □□□□ (W)                                          | 700                                                                                 |
| Operating Temperature (Continuous Full Load) (°C) |                                                                                     |
| □□                                                | ATX12V                                                                              |
| □□□□                                              | Fully Modular                                                                       |
| Warranty                                          | -                                                                                   |
| Cybenetics Measurements                           |                                                                                     |
| Dimensions (W x H x D)                            |                                                                                     |
| Weight                                            |                                                                                     |
| □□                                                | -                                                                                   |
| □□□□                                              | x                                                                                   |
| Cybenetics Testing Information                    |                                                                                     |
| Lab ID                                            | SS70001926                                                                          |
| Date of receipt                                   | Oct 8, 2021                                                                         |
| Testing Date                                      | Oct 27, 2021                                                                        |
| Report Issued Date                                | Oct 27, 2021                                                                        |
| Engineer Name                                     | -                                                                                   |
| Authorized By the Laboratory Technical Manager    | Aristeidis Bitziopoulos                                                             |
| Signature                                         |  |

□□□□ (Non-accredited measurements)

| □□□□                               |      |       |          |                     |
|------------------------------------|------|-------|----------|---------------------|
| □□                                 | □□□□ | □□□□□ | Gauge    | In Cable Capacitors |
| ATX □□ 20+4 pin (620mm)            | 1    | 1     | 18-22AWG | □                   |
| 4+4 pin EPS 12V □□ (660mm)         | 2    | 2     | 18AWG    | □                   |
| 6+2pin PCIe□□ (760mm)              | 4    | 4     | 18AWG    | □                   |
| SATA□□ (410mm+150mm+150mm+150mm)   | 1    | 4     | 18AWG    | □                   |
| SATA□□ (450mm+120mm+120mm+120mm)   | 1    | 4     | 18AWG    | □                   |
| SATA□□ (300mm+160mm)               | 1    | 2     | 18AWG    | □                   |
| □ 4pin Molex□□ (450mm+125mm+125mm) | 1    | 3     | 18AWG    | □                   |
| □ 4pin Molex□□ (360mm+125mm)       | 1    | 2     | 18AWG    | □                   |

|                                              |   |   |       |   |
|----------------------------------------------|---|---|-------|---|
| 4pin Molex to SATA 3.3 Adapter (150mm+150mm) | 1 | 2 | 18AWG |   |
| AC Power Cord (1420mm) - C13 coupler         | 1 | 1 | 16AWG | - |

|  |     |      |    |     |      |      |
|--|-----|------|----|-----|------|------|
|  |     | 3.3V | 5V | 12V | 5VSB | -12V |
|  |     | 20   | 20 | 58  | 2.5  | 0.3  |
|  |     | 100  |    | 696 | 12.5 | 3.6  |
|  | (W) | 700  |    |     |      |      |

## Test Results

### Temperature & Compliance Info

|                  |                   |
|------------------|-------------------|
| (°C /°F)         | 28-32 / 82.4-89.6 |
| ErP Lot3/6       | ✓                 |
| (EU) No 617/2013 | ✓                 |

### Performance Summary

#### 115V

|                                                |         |
|------------------------------------------------|---------|
| Accredited                                     |         |
| (>1450 load combinations)                      | 91.974% |
| Average Noise Output (>1450 Load Combinations) | 6.00dBA |
| PF (>1450 Load Combinations)                   | 0.989   |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | 72.508% |
|                                                | 0.0564W |
| Non-Accredited                                 |         |
| 12V Ripple (Full Load)                         | 23.90mV |
| 5V Ripple (Full Load)                          | 15.10mV |
| 3.3V Ripple (Full Load)                        | 12.43mV |
| 5VSB Ripple (Full Load)                        | 12.25mV |

|                      |         |
|----------------------|---------|
| 12V Load Regulation  | 0.16%   |
| 5V Load Regulation   | 1.58%   |
| 3.3V Load Regulation | 2.47%   |
| 5VSB Load Regulation | 3.49%   |
| Inrush Current       | 26.400A |

## 230V

|                                                |         |         |
|------------------------------------------------|---------|---------|
| Accredited                                     |         |         |
| □□□□ (>1450 load combinations)                 | 93.511% |         |
| Average Noise Output (>1450 Load Combinations) | 6.00dBA |         |
| PF□□□ (>1450 Load Combinations)                | 0.943   |         |
| Efficiency With 10W (≤500W) or 2% (>500W) Load | -       |         |
| □□□□□                                          | 0.0978W |         |
| Non-Accredited                                 |         |         |
| 12V Ripple (Full Load)                         | 24.39mV |         |
| 5V Ripple (Full Load)                          | 15.48mV |         |
| 3.3V Ripple (Full Load)                        | 12.66mV |         |
| 5VSB Ripple (Full Load)                        | 11.89mV |         |
| 12V Load Regulation                            | 0.15%   |         |
| 5V Load Regulation                             | 1.62%   |         |
| 3.3V Load Regulation                           | 2.56%   |         |
| 5VSB Load Regulation                           | 3.54%   |         |
| Inrush Current                                 | 93.540A |         |
| □□□□ & PG□□                                    | 31.90ms |         |
| AC Loss to PWR_OK Hold Up Time                 | 27.00ms |         |
| PWR_OK Inactive to DC Loss Delay               | 4.90ms  |         |
| PSU Timings: T1 (20% / 100%)                   | 139.0ms | 87.0ms  |
| PSU Timings: T3 (20% / 100%)                   | 329.0ms | 328.0ms |
| OPP (25.93°C / 46.32°C)                        | 139.33% | 139.33% |



& PG

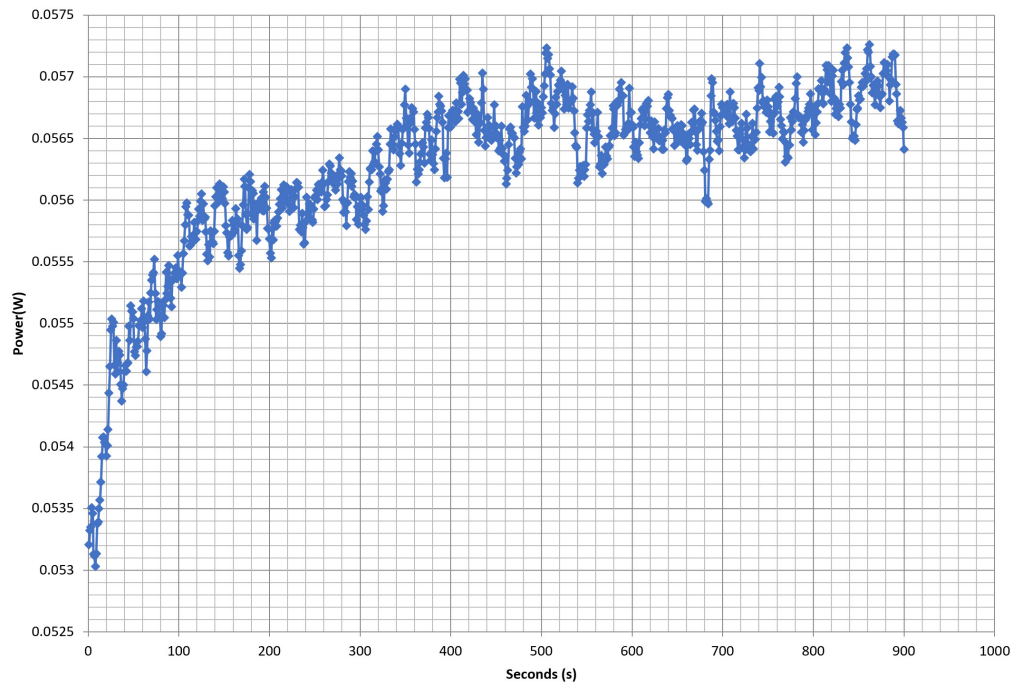
|                                       |      |
|---------------------------------------|------|
| Hold-Up Time (ms)                     | 31.9 |
| AC Loss to PWR_OK Hold Up Time (ms)   | 27   |
| PWR_OK Inactive to DC Loss Delay (ms) | 4.9  |



## Graphs

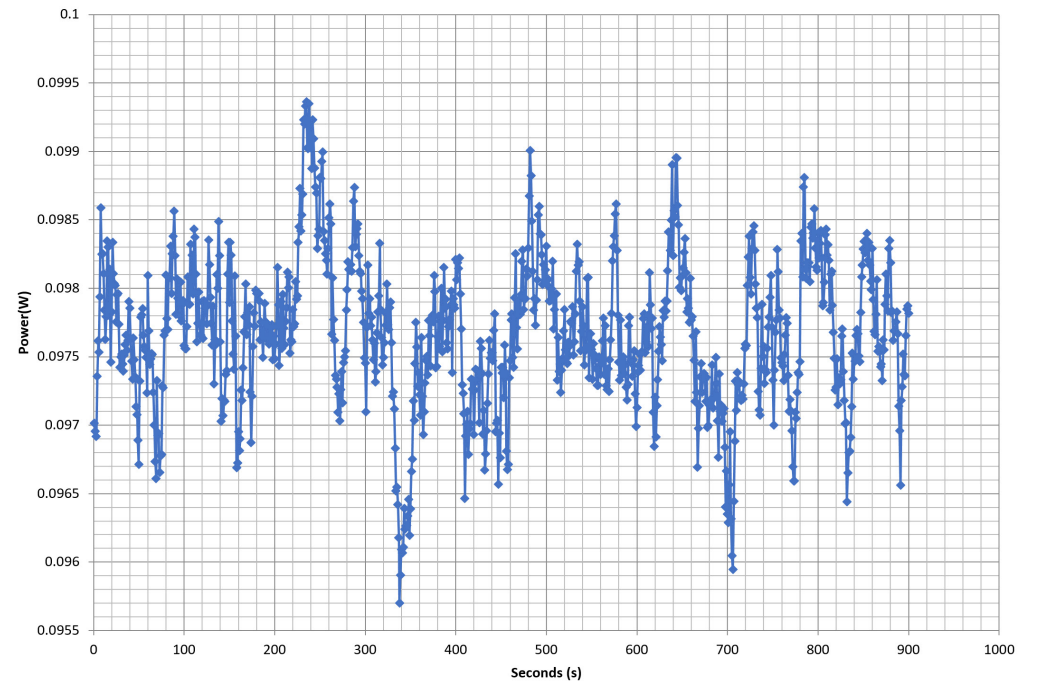
115V

Power - 22/10/2021 - 15:16



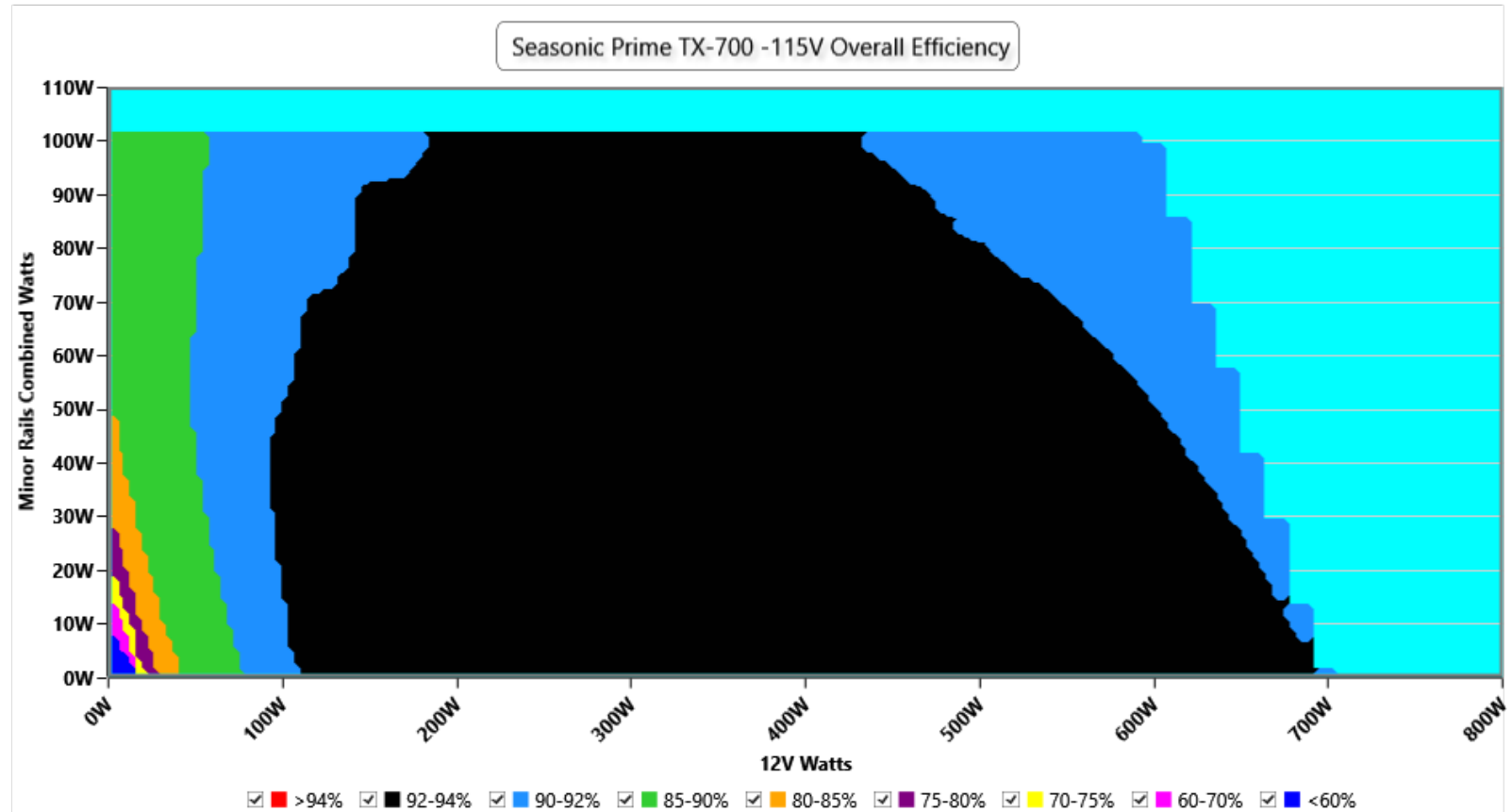
230V

Power - 22/10/2021 - 15:16

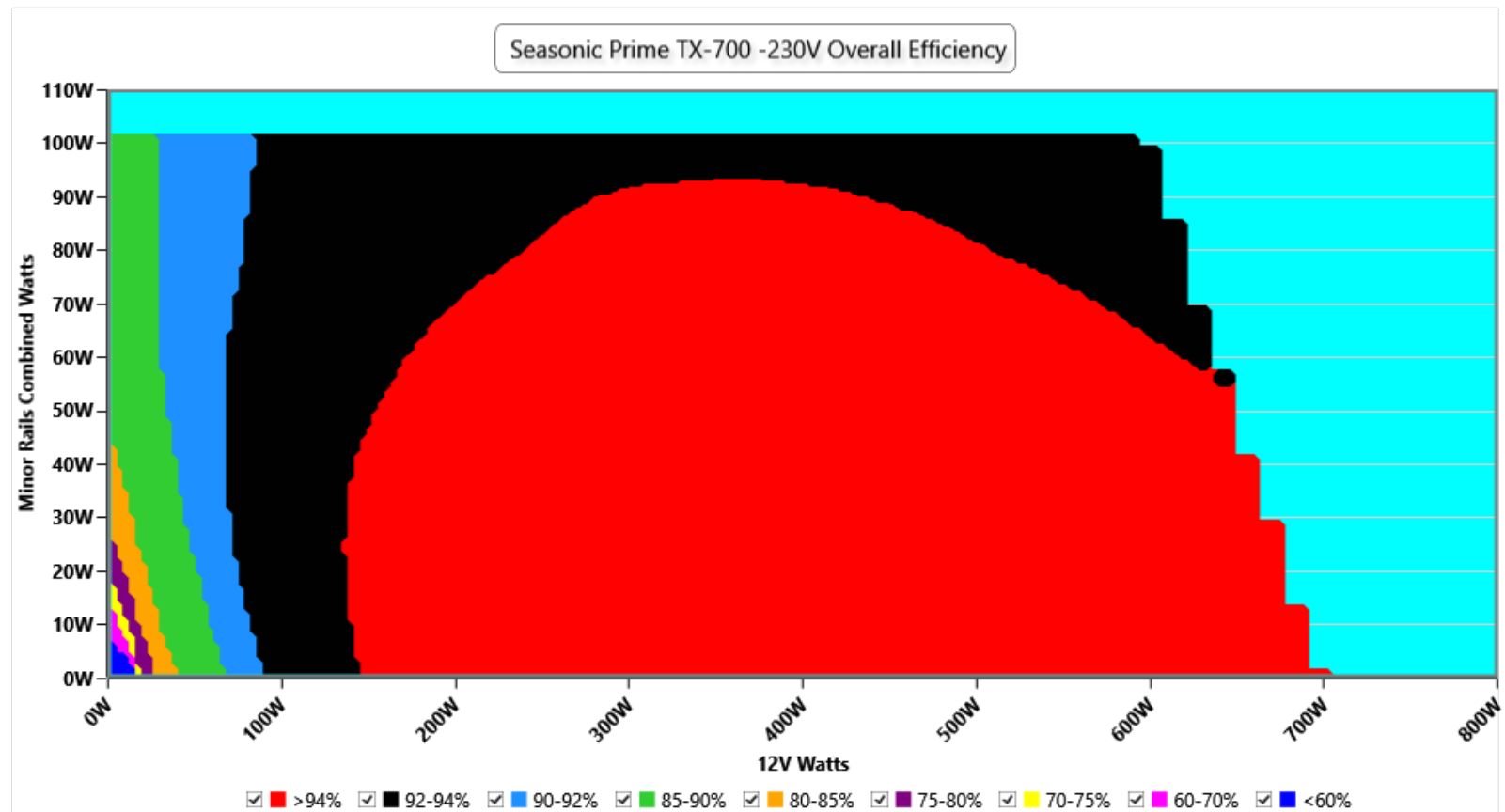




115V



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



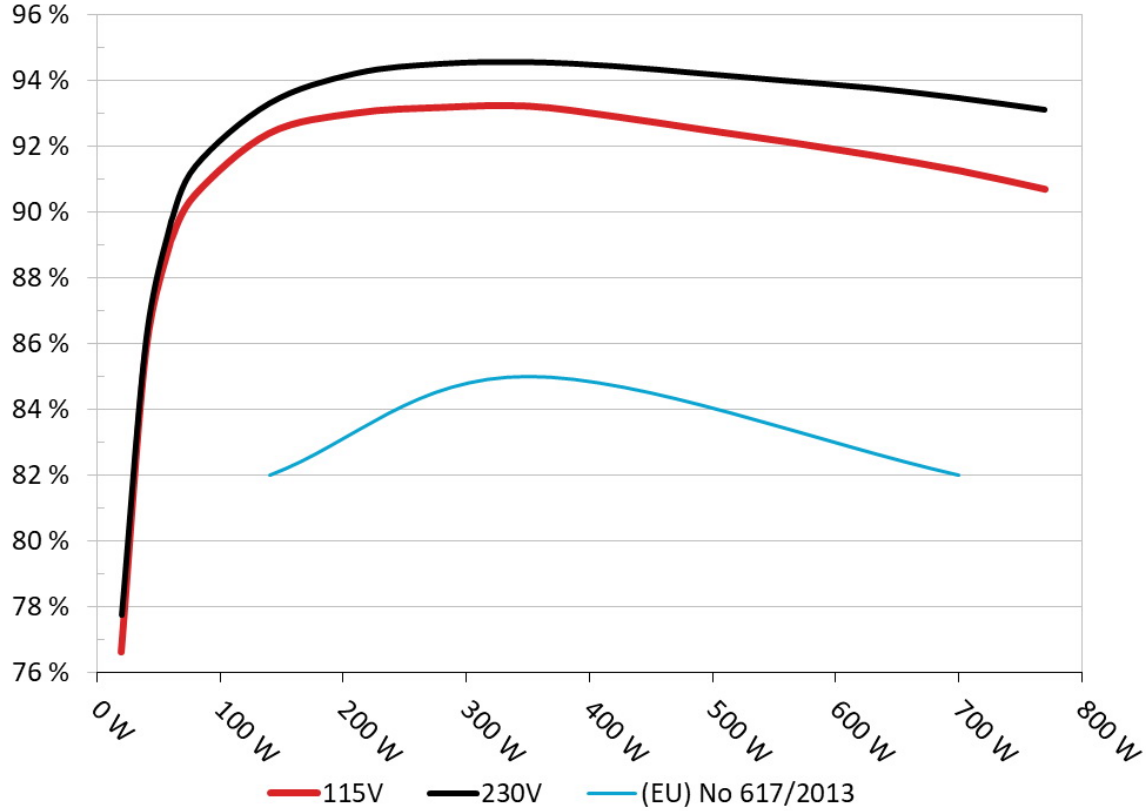
This graph depicts the PSU's efficiency throughout its entire operational range. For the generation of the efficiency and noise graphs we set our loaders to auto mode through our custom-made software before trying thousands of possible load combinations

# Indicative Performance



## Efficiency: Seasonic Prime Fanless TX-700

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

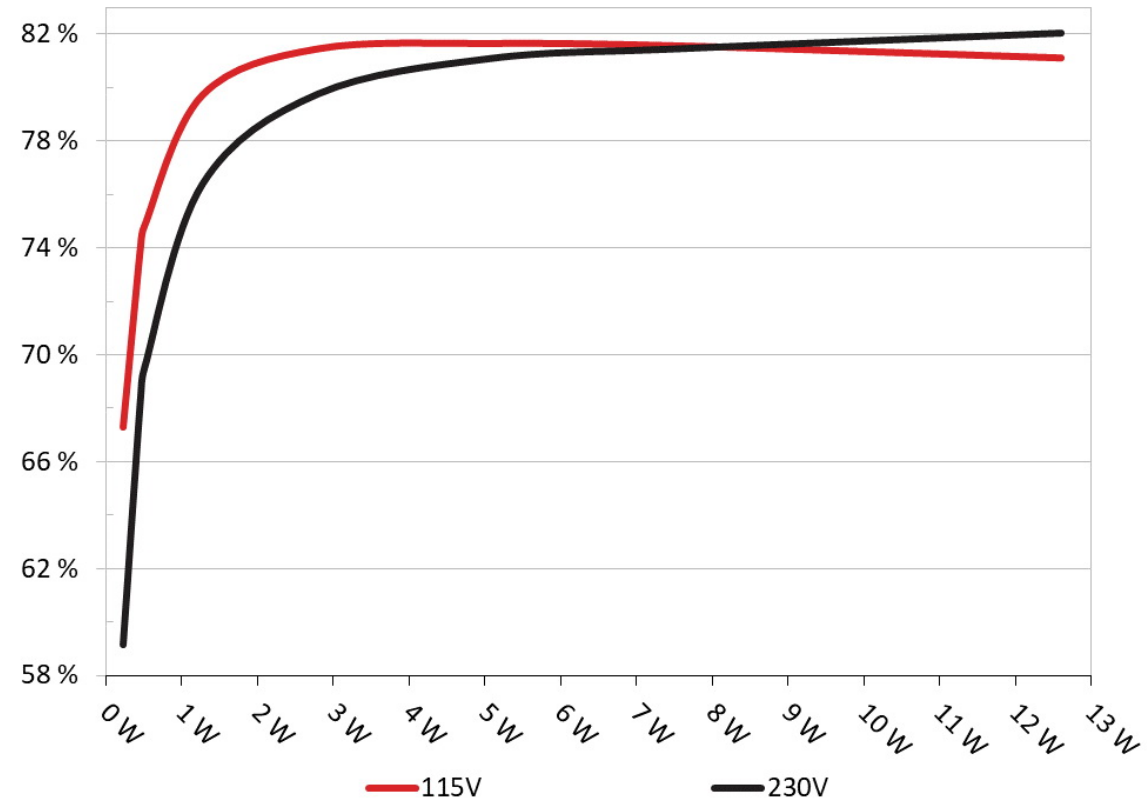


The PSU`s efficiency under high ambient temperatures with 115V and 230V input. For this graph the results of the 10-110% load regulation table are used

# 5Vsb

## 5VSB Efficiency: Seasonic Prime Fanless TX-700

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



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

5Vsb (ErP Lot3/6 & CEC)

115V

| # | 5VSB   | DC/AC ( ) |         | PF/AC   |
|---|--------|-----------|---------|---------|
| 1 | 0.045A | 0.23W     | 67.286% | 0.033   |
|   | 5.103V | 0.342W    |         | 115.17V |
| 2 | 0.09A  | 0.459W    | 74.048% | 0.059   |
|   | 5.101V | 0.62W     |         | 115.17V |
| 3 | 0.55A  | 2.8W      | 81.46%  | 0.257   |
|   | 5.09V  | 3.437W    |         | 115.17V |
| 4 | 1A     | 5.079W    | 81.66%  | 0.355   |
|   | 5.078V | 6.22W     |         | 115.17V |
| 5 | 1.5A   | 7.599W    | 81.566% | 0.412   |
|   | 5.065V | 9.316W    |         | 115.17V |
| 6 | 2.501A | 12.602W   | 81.118% | 0.468   |
|   | 5.04V  | 15.535W   |         | 115.16V |

230V

| # | 5VSB   | DC/AC ( ) |         | PF/AC   |
|---|--------|-----------|---------|---------|
| 1 | 0.045A | 0.23W     | 59.144% | 0.011   |
|   | 5.103V | 0.389W    |         | 230.36V |
| 2 | 0.09A  | 0.459W    | 68.369% | 0.02    |
|   | 5.101V | 0.671W    |         | 230.36V |
| 3 | 0.55A  | 2.8W      | 79.758% | 0.098   |
|   | 5.089V | 3.511W    |         | 230.36V |
| 4 | 1A     | 5.079W    | 81.087% | 0.163   |
|   | 5.078V | 6.264W    |         | 230.36V |
| 5 | 1.5A   | 7.599W    | 81.457% | 0.221   |
|   | 5.065V | 9.329W    |         | 230.36V |
| 6 | 2.501A | 12.6W     | 82.035% | 0.299   |
|   | 5.039V | 15.359W   |         | 230.36V |

## Supplementary Tests (For Reference)

10-110%□□□

115V

| □□   | 12V     | 5V      | 3.3V    | 5VSB   | DC/AC (□ ) | □□      | □□ (□□ /□□ ) | PF/AC □□ |
|------|---------|---------|---------|--------|------------|---------|--------------|----------|
| 10%  | 3.976A  | 1.968A  | 1.966A  | 1.005A | 69.999     | 89.1%   | 46.22°C      | 0.955    |
|      | 12.174V | 5.083V  | 3.357V  | 4.977V | 78.562     |         | 40.84°C      | 115.15V  |
| 20%  | 8.951A  | 2.956A  | 2.955A  | 1.21A  | 139.946    | 92.382% | 46.84°C      | 0.982    |
|      | 12.183V | 5.075V  | 3.35V   | 4.962V | 151.486    |         | 41.16°C      | 115.16V  |
| 30%  | 14.279A | 3.454A  | 3.455A  | 1.415A | 209.987    | 92.996% | 47.64°C      | 0.989    |
|      | 12.181V | 5.068V  | 3.343V  | 4.947V | 225.803    |         | 41.32°C      | 115.16V  |
| 40%  | 19.610A | 3.952A  | 3.956A  | 1.622A | 280.04     | 93.171% | 49.14°C      | 0.993    |
|      | 12.179V | 5.061V  | 3.336V  | 4.932V | 300.567    |         | 42.26°C      | 115.16V  |
| 50%  | 24.595A | 4.948A  | 4.957A  | 1.831A | 349.999    | 93.211% | 49.58°C      | 0.997    |
|      | 12.177V | 5.054V  | 3.329V  | 4.916V | 375.492    |         | 42.3°C       | 115.16V  |
| 60%  | 29.589A | 5.947A  | 5.966A  | 2.001A | 419.805    | 92.898% | 50.52°C      | 0.995    |
|      | 12.173V | 5.046V  | 3.319V  | 4.9V   | 451.897    |         | 42.74°C      | 115.16V  |
| 70%  | 34.593A | 6.951A  | 6.978A  | 2.254A | 490.129    | 92.505% | 51.72°C      | 0.996    |
|      | 12.170V | 5.037V  | 3.311V  | 4.881V | 529.841    |         | 43.18°C      | 115.17V  |
| 80%  | 39.595A | 7.958A  | 7.995A  | 2.363A | 559.74     | 92.124% | 52.82°C      | 0.996    |
|      | 12.169V | 5.028V  | 3.302V  | 4.867V | 607.591    |         | 43.78°C      | 115.17V  |
| 90%  | 45.000A | 8.47A   | 8.501A  | 2.473A | 629.976    | 91.711% | 54.61°C      | 0.997    |
|      | 12.166V | 5.019V  | 3.293V  | 4.853V | 686.914    |         | 44.75°C      | 115.18V  |
| 100% | 50.405A | 8.985A  | 9.041A  | 2.584A | 700.314    | 91.244% | 56.31°C      | 0.997    |
|      | 12.163V | 5.009V  | 3.285V  | 4.838V | 767.516    |         | 45.72°C      | 115.18V  |
| 110% | 55.420A | 10.005A | 10.173A | 2.592A | 769.721    | 90.683% | 58.46°C      | 0.998    |
|      | 12.160V | 4.998V  | 3.273V  | 4.824V | 848.805    |         | 46.72°C      | 115.19V  |
| CL1  | 0.115A  | 11.882A | 11.917A | 0A     | 101.309    | 88.219% | 49.38°C      | 0.974    |
|      | 12.174V | 5.067V  | 3.331V  | 4.987V | 114.838    |         | 42.77°C      | 115.19V  |

|     |         |         |         |        |         |         |         |         |
|-----|---------|---------|---------|--------|---------|---------|---------|---------|
| CL2 | 0.115A  | 19.688A | 0A      | 0A     | 101.399 | 87.244% | 50.98°C | 0.974   |
|     | 12.176V | 5.079V  | 3.339V  | 5.019V | 116.225 |         | 43.77°C | 115.19V |
| CL3 | 0.115A  | 0A      | 19.768A | 0A     | 67.392  | 82.31%  | 52.8°C  | 0.958   |
|     | 12.165V | 5.057V  | 3.339V  | 4.977V | 81.876  |         | 44.72°C | 115.19V |
| CL4 | 57.565A | 0A      | 0A      | 0A     | 700.165 | 92.061% | 55.39°C | 0.997   |
|     | 12.163V | 5.02V   | 3.306V  | 4.929V | 760.546 |         | 45.64°C | 115.18V |

The results above are not used in the certification process

## 230V

| □□   | 12V     | 5V     | 3.3V   | 5VSB   | DC/AC (□□ ) | □□      | □□ (□□ /□□ ) | PF/AC □□ |
|------|---------|--------|--------|--------|-------------|---------|--------------|----------|
| 10%  | 3.976A  | 1.968A | 1.966A | 1.005A | 70.002      | 89.725% | 45.62°C      | 0.748    |
|      | 12.171V | 5.082V | 3.357V | 4.975V | 78.018      |         | 40.74°C      | 230.4V   |
| 20%  | 8.954A  | 2.957A | 2.957A | 1.21A  | 139.952     | 93.323% | 46.28°C      | 0.887    |
|      | 12.179V | 5.073V | 3.348V | 4.96V  | 149.965     |         | 40.93°C      | 230.39V  |
| 30%  | 14.283A | 3.455A | 3.458A | 1.416A | 209.989     | 94.234% | 47.43°C      | 0.936    |
|      | 12.177V | 5.066V | 3.34V  | 4.945V | 222.839     |         | 41.38°C      | 230.4V   |
| 40%  | 19.615A | 3.955A | 3.96A  | 1.623A | 280.033     | 94.531% | 48.34°C      | 0.958    |
|      | 12.176V | 5.058V | 3.333V | 4.929V | 296.234     |         | 41.83°C      | 230.4V   |
| 50%  | 24.600A | 4.952A | 4.963A | 1.832A | 349.986     | 94.58%  | 49.75°C      | 0.97     |
|      | 12.174V | 5.05V  | 3.325V | 4.913V | 370.041     |         | 42.56°C      | 230.41V  |
| 60%  | 29.585A | 5.952A | 5.971A | 2A     | 419.705     | 94.459% | 50.86°C      | 0.976    |
|      | 12.171V | 5.041V | 3.316V | 4.897V | 444.323     |         | 43.14°C      | 230.41V  |
| 70%  | 34.588A | 6.956A | 6.985A | 2.255A | 490.031     | 94.235% | 52.23°C      | 0.981    |
|      | 12.170V | 5.033V | 3.307V | 4.879V | 520.01      |         | 43.83°C      | 230.42V  |
| 80%  | 39.594A | 7.964A | 8.003A | 2.364A | 559.656     | 94.011% | 52.93°C      | 0.984    |
|      | 12.167V | 5.024V | 3.298V | 4.864V | 595.308     |         | 44.21°C      | 230.42V  |
| 90%  | 44.996A | 8.474A | 8.509A | 2.474A | 629.875     | 93.789% | 54.2°C       | 0.987    |
|      | 12.165V | 5.016V | 3.29V  | 4.851V | 671.59      |         | 44.6°C       | 230.42V  |
| 100% | 50.408A | 8.989A | 9.05A  | 2.585A | 700.244     | 93.486% | 56.41°C      | 0.988    |
|      | 12.162V | 5.006V | 3.281V | 4.835V | 749.036     |         | 45.71°C      | 230.43V  |

|      |         |         |         |        |         |         |         |         |
|------|---------|---------|---------|--------|---------|---------|---------|---------|
| 110% | 55.421A | 10.01A  | 10.18A  | 2.592A | 769.653 | 93.129% | 58.31°C | 0.99    |
|      | 12.158V | 4.995V  | 3.271V  | 4.823V | 826.435 |         | 46.56°C | 230.43V |
| CL1  | 0.115A  | 11.883A | 11.917A | 0A     | 101.3   | 89.044% | 49.54°C | 0.84    |
|      | 12.173V | 5.066V  | 3.331V  | 4.986V | 113.765 |         | 42.9°C  | 230.41V |
| CL2  | 0.115A  | 19.689A | 0A      | 0A     | 101.395 | 88.079% | 50.34°C | 0.842   |
|      | 12.175V | 5.079V  | 3.338V  | 5.017V | 115.119 |         | 43.09°C | 230.4V  |
| CL3  | 0.115A  | 0A      | 19.767A | 0A     | 67.387  | 83.023% | 52.45°C | 0.758   |
|      | 12.164V | 5.057V  | 3.339V  | 4.977V | 81.167  |         | 44.22°C | 230.4V  |
| CL4  | 57.561A | 0A      | 0A      | 0A     | 700.084 | 94.36%  | 55.33°C | 0.988   |
|      | 12.163V | 5.019V  | 3.305V  | 4.928V | 741.93  |         | 45.91°C | 230.42V |

The results above are not used in the certification process

### 20-80□□□□

### 115V

| □□  | 12V     | 5V     | 3.3V   | 5VSB   | DC/AC (□ ) | □□      | □□ (□□ /□□ ) | PF/AC □□ |
|-----|---------|--------|--------|--------|------------|---------|--------------|----------|
| 20W | 1.220A  | 0.491A | 0.49A  | 0.2A   | 19.997     | 76.602% | 39.62°C      | 0.794    |
|     | 12.177V | 5.088V | 3.366V | 5.007V | 26.105     |         | 36.5°C       | 115.14V  |
| 40W | 2.684A  | 0.688A | 0.687A | 0.3A   | 39.996     | 85.771% | 41.31°C      | 0.908    |
|     | 12.176V | 5.086V | 3.364V | 5.002V | 46.631     |         | 37.52°C      | 115.14V  |
| 60W | 4.150A  | 0.885A | 0.883A | 0.4A   | 59.995     | 89.013% | 43.26°C      | 0.946    |
|     | 12.174V | 5.085V | 3.362V | 4.997V | 67.401     |         | 38.95°C      | 115.15V  |
| 80W | 5.608A  | 1.082A | 1.08A  | 0.501A | 79.947     | 90.515% | 45.13°C      | 0.963    |
|     | 12.180V | 5.084V | 3.359V | 4.991V | 88.325     |         | 40.1°C       | 115.15V  |

The results above are not used in the certification process

230V

| 項目  | 12V     | 5V     | 3.3V   | 5VSB   | DC/AC (項目) | 項目      | 項目 (項目 /項目 ) | PF/AC 項目 |
|-----|---------|--------|--------|--------|------------|---------|--------------|----------|
| 20W | 1.220A  | 0.491A | 0.49A  | 0.2A   | 20.003     | 77.731% | 40.14℃       | 0.447    |
|     | 12.171V | 5.087V | 3.365V | 5.006V | 25.734     |         | 36.86℃       | 230.4V   |
| 40W | 2.686A  | 0.688A | 0.687A | 0.3A   | 40.002     | 86.196% | 40.1℃        | 0.612    |
|     | 12.171V | 5.085V | 3.363V | 5.001V | 46.408     |         | 37.34℃       | 230.4V   |
| 60W | 4.152A  | 0.885A | 0.884A | 0.401A | 60.001     | 89.59%  | 41.19℃       | 0.71     |
|     | 12.170V | 5.084V | 3.361V | 4.995V | 66.973     |         | 37.89℃       | 230.4V   |
| 80W | 5.612A  | 1.082A | 1.081A | 0.501A | 79.966     | 91.416% | 43.07℃       | 0.776    |
|     | 12.177V | 5.083V | 3.358V | 4.99V  | 87.475     |         | 39.33℃       | 230.41V  |

The results above are not used in the certification process



115V

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| 10% Load   | 7.00mV  | 8.13mV  | 5.99mV  | 7.14mV  | Pass      |
| 20% Load   | 19.04mV | 8.49mV  | 5.48mV  | 6.63mV  | Pass      |
| 30% Load   | 20.62mV | 9.87mV  | 5.84mV  | 7.44mV  | Pass      |
| 40% Load   | 18.22mV | 9.77mV  | 5.73mV  | 7.39mV  | Pass      |
| 50% Load   | 12.19mV | 10.38mV | 6.09mV  | 8.36mV  | Pass      |
| 60% Load   | 10.50mV | 11.55mV | 6.40mV  | 8.87mV  | Pass      |
| 70% Load   | 10.98mV | 12.12mV | 6.40mV  | 8.26mV  | Pass      |
| 80% Load   | 12.72mV | 12.58mV | 11.21mV | 9.94mV  | Pass      |
| 90% Load   | 13.74mV | 13.25mV | 11.15mV | 9.28mV  | Pass      |
| 100% Load  | 23.90mV | 15.10mV | 12.43mV | 12.25mV | Pass      |
| 110% Load  | 25.55mV | 16.38mV | 13.08mV | 13.60mV | Pass      |
| Crossload1 | 21.21mV | 10.58mV | 12.88mV | 7.20mV  | Pass      |
| Crossload2 | 18.48mV | 10.79mV | 6.60mV  | 6.83mV  | Pass      |

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| Crossload3 | 17.06mV | 12.58mV | 20.93mV | 10.45mV | Pass      |
| Crossload4 | 23.60mV | 14.50mV | 7.18mV  | 13.70mV | Pass      |

The results above are not used in the certification process

## 230V

| Test       | 12V     | 5V      | 3.3V    | 5VSB    | Pass/Fail |
|------------|---------|---------|---------|---------|-----------|
| 10% Load   | 19.94mV | 7.88mV  | 5.84mV  | 7.24mV  | Pass      |
| 20% Load   | 20.67mV | 8.49mV  | 5.84mV  | 6.83mV  | Pass      |
| 30% Load   | 21.28mV | 9.26mV  | 5.89mV  | 6.88mV  | Pass      |
| 40% Load   | 17.86mV | 9.87mV  | 6.20mV  | 7.09mV  | Pass      |
| 50% Load   | 11.84mV | 10.53mV | 6.45mV  | 8.01mV  | Pass      |
| 60% Load   | 9.89mV  | 11.71mV | 7.06mV  | 7.85mV  | Pass      |
| 70% Load   | 11.39mV | 12.17mV | 7.21mV  | 8.87mV  | Pass      |
| 80% Load   | 12.21mV | 12.68mV | 11.36mV | 9.07mV  | Pass      |
| 90% Load   | 14.29mV | 13.65mV | 11.57mV | 9.53mV  | Pass      |
| 100% Load  | 24.39mV | 15.48mV | 12.66mV | 11.89mV | Pass      |
| 110% Load  | 26.03mV | 16.03mV | 13.21mV | 12.75mV | Pass      |
| Crossload1 | 23.07mV | 10.93mV | 12.76mV | 7.23mV  | Pass      |
| Crossload2 | 20.26mV | 11.04mV | 6.65mV  | 7.19mV  | Pass      |
| Crossload3 | 21.08mV | 12.63mV | 21.80mV | 10.15mV | Pass      |
| Crossload4 | 24.69mV | 13.89mV | 7.21mV  | 13.00mV | Pass      |

The results above are not used in the certification process

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