

Anex

Aqirys Quasar 1200W

Lab ID#: AQ12002366
Receipt Date: Feb 6, 2024
Test Date: Feb 24, 2024

Report: 24PS2366A
Report Date: Feb 28, 2024

| DUT INFORMATION | |
|--------------------|-------------------|
| Brand | Aqirys |
| Manufacturer (OEM) | Kinpower |
| Series | Quasar |
| Model Number | AQRYS_QUASAR1200W |
| Serial Number | |
| DUT Notes | |

| DUT SPECIFICATIONS | |
|------------------------|--------------------------------------|
| Rated Voltage (Vrms) | 100-240 |
| Rated Current (Arms) | 15 |
| Rated Frequency (Hz) | 50-60 |
| Rated Power (W) | 1200 |
| Type | ATX12V |
| Cooling | 120mm Rifle Bearing Fan (EFS-12E12H) |
| Semi-Passive Operation | X |
| Cable Design | Fully Modular |

| TEST EQUIPMENT | |
|-----------------------|---|
| Electronic Loads | Chroma 63601-5 x2 Chroma 63600-2 63640-80-80 x10 63610-80-20 |
| AC Sources | Chroma 6530, APM SP300VAC4000W-P |
| Power Analyzers | RS HMC8015, N4L PPA1530, N4L PPA5530 |
| Oscilloscopes | Picoscope 4444, Rigol DS7014, 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, Keithley 2015 - THD |
| UPS | FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA |
| Isolation Transformer | 4kVA |

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Aqirys Quasar 1200W

RESULTS

| | |
|--|-----------------|
| Temperature Range (°C /°F) | 30-32 / 86-89.6 |
| ErP Lot 3/6 Ready | ✓ |
| (EU) No 617/2013 Compliance | ✓ |
| ALPM (Alternative Low Power Mode) compatible | ✓ |

115V

| | |
|---|-------------|
| Average Efficiency | 88.247% |
| Efficiency With 10W (≤500W) or 2% (>500W) | 74.419 |
| Average Efficiency 5VSB | 82.744% |
| Standby Power Consumption (W) | 0.0589000 |
| Average PF | 0.977 |
| Avg Noise Output | 36.58 dB(A) |
| Efficiency Rating (ETA) | GOLD |
| Noise Rating (LAMBDA) | Standard+ |

230V

| | |
|-------------------------------|-------------|
| Average Efficiency | 90.448% |
| Average Efficiency 5VSB | 81.020% |
| Standby Power Consumption (W) | 0.1129000 |
| Average PF | 0.936 |
| Avg Noise Output | 36.89 dB(A) |
| Efficiency Rating (ETA) | GOLD |
| Noise Rating (LAMBDA) | Standard+ |

POWER SPECIFICATIONS

| Rail | | 3.3V | 5V | 12V | 5VSB | -12V |
|----------------------|-------|------|----|------|------|------|
| Max. Power | Amps | 16 | 16 | 100 | 3 | 0.3 |
| | Watts | 103 | | 1200 | 15 | 3.6 |
| Total Max. Power (W) | | 1200 | | | | |

HOLD-UP TIME & POWER OK SIGNAL (230V)

| | |
|---------------------------------------|------|
| Hold-Up Time (ms) | 21.6 |
| AC Loss to PWR_OK Hold Up Time (ms) | 18.5 |
| PWR_OK Inactive to DC Loss Delay (ms) | 3.1 |

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CABLES AND CONNECTORS

Modular Cables

| Description | Cable Count | Connector Count (Total) | Gauge | In Cable Capacitors |
|---------------------------------|-------------|-------------------------|----------|---------------------|
| ATX connector 20+4 pin (600mm) | 1 | 1 | 18-22AWG | No |
| 4+4 pin EPS12V (700mm) | 2 | 2 | 18AWG | No |
| 6+2 pin PCIe (600mm+150mm) | 2 | 4 | 16-18AWG | No |
| 12+4 pin PCIe (600mm) (600W) | 1 | 1 | 16-24AWG | No |
| SATA (450mm+155mm+155mm) | 3 | 9 | 18AWG | No |
| 4-pin Molex (450mm+150mm+150mm) | 1 | 3 | 18AWG | No |

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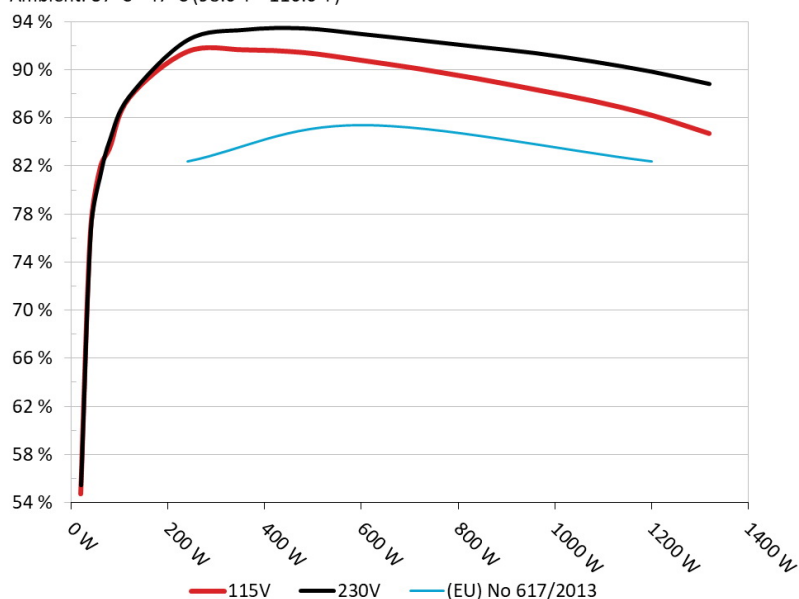
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EFFICIENCY UNDER HIGH AMBIENT TEMPERATURE

Efficiency: Aqirys Quasar 1200W

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



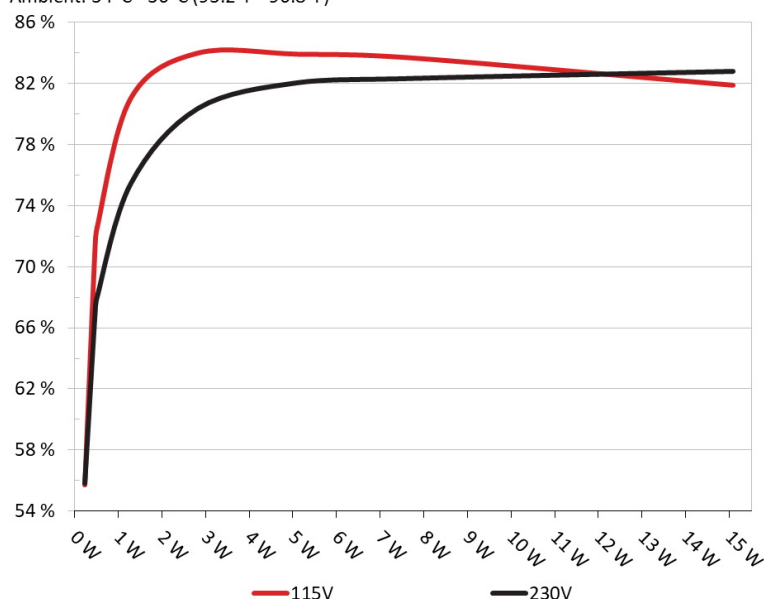
INFO

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: Aqirys Quasar 1200W

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

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Aqirys Quasar 1200W

5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC)

| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts |
|--------|--------|---------------|------------|-------------|
| 1 | 0.045A | 0.232W | 55.724% | 0.023 |
| | 5.155V | 0.236W | | 114.87V |
| 2 | 0.09A | 0.464W | 71.162% | 0.062 |
| | 5.153V | 0.652W | | 114.87V |
| 3 | 0.55A | 2.823W | 84.004% | 0.247 |
| | 5.133V | 3.361W | | 114.87V |
| 4 | 1A | 5.114W | 83.931% | 0.333 |
| | 5.114V | 6.093W | | 114.87V |
| 5 | 1.5A | 7.64W | 83.704% | 0.383 |
| | 5.092V | 9.127W | | 114.87V |
| 6 | 3A | 15.085W | 81.898% | 0.449 |
| | 5.028V | 18.419W | | 114.86V |

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

| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts |
|--------|--------|---------------|------------|-------------|
| 1 | 0.045A | 0.232W | 55.808% | 0.012 |
| | 5.155V | 0.417W | | 229.95V |
| 2 | 0.09A | 0.464W | 66.847% | 0.02 |
| | 5.153V | 0.695W | | 229.95V |
| 3 | 0.55A | 2.823W | 80.363% | 0.096 |
| | 5.133V | 3.515W | | 229.95V |
| 4 | 1A | 5.114W | 82.052% | 0.159 |
| | 5.114V | 6.233W | | 229.95V |
| 5 | 1.5A | 7.639W | 82.324% | 0.214 |
| | 5.092V | 9.28W | | 229.95V |
| 6 | 3A | 15.085W | 82.793% | 0.313 |
| | 5.028V | 18.22W | | 229.95V |

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Aqirys Quasar 1200W

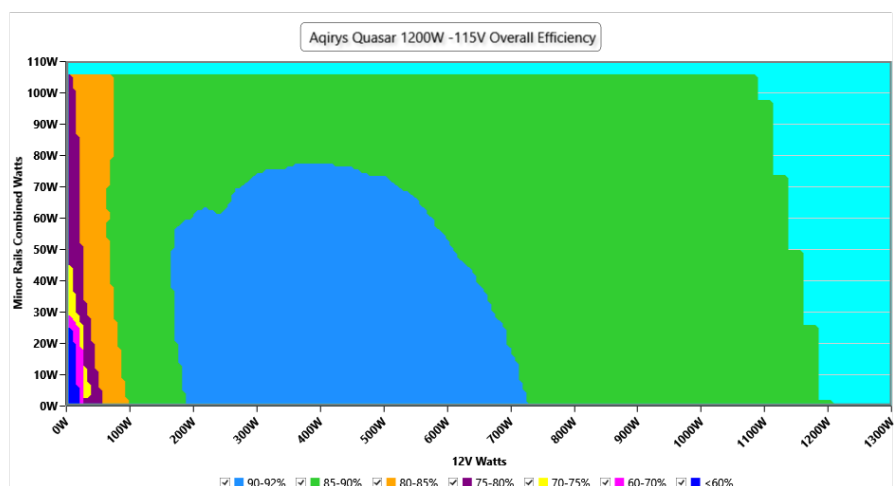
115V

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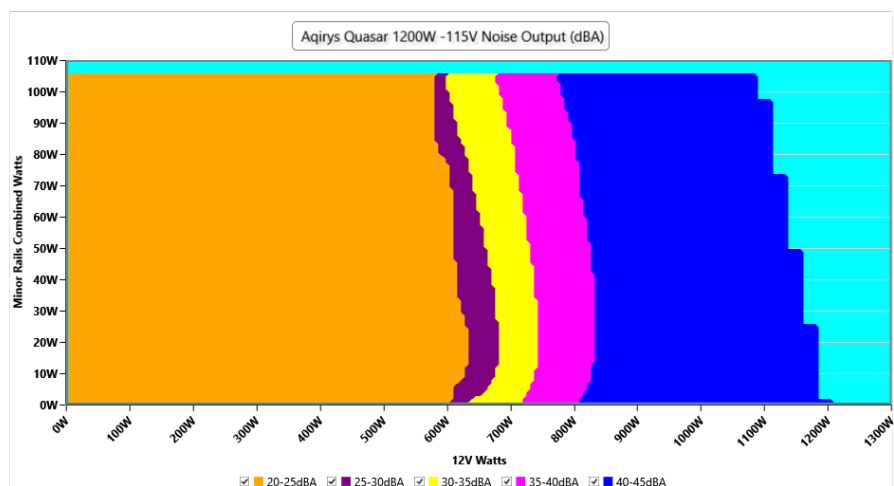
EFFICIENCY GRAPH 115V



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

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

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VAMPIRE POWER -115V

Detailed Results

| | Average | Min | Limit Min | Max | Limit Max | Result |
|--------------------|----------|----------|-----------|----------|-----------|--------|
| Mains Voltage RMS: | 114.88 V | 114.83 V | 113.85 V | 114.92 V | 116.15 V | PASS |
| Mains Frequency: | 60.00 Hz | 59.98 Hz | 59.40 Hz | 60.01 Hz | 60.60 Hz | PASS |
| Mains Voltage CF: | 1.419 | 1.417 | 1.340 | 1.421 | 1.490 | PASS |
| Mains Voltage THD: | 0.15 % | 0.09 % | N/A | 0.27 % | 2.00 % | PASS |
| Real Power: | 0.059 W | 0.051 W | N/A | 0.067 W | N/A | N/A |
| Apparent Power: | 10.391 W | 10.371 W | N/A | 10.413 W | N/A | N/A |
| Power Factor: | 0.005 | N/A | N/A | N/A | N/A | N/A |

INFO

This graph is generated by the PPA Standby Power Analysis software which takes full control of the power analyzer during the whole procedure. This application features all of the EN50564 & IEC62301 test limits for standby power software testing

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Aqirys Quasar 1200W

10-110% 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% | 8.104A | 1.977A | 1.989A | 0.98A | 119.972 | 87.252% | 995 | 22.5 | 40.17°C | 0.903 |
| | 12.138V | 5.059V | 3.317V | 5.103V | 137.503 | | | | 44.37°C | 114.84V |
| 20% | 17.242A | 2.973A | 2.997A | 1.18A | 239.923 | 91.092% | 996 | 22.5 | 40.89°C | 0.952 |
| | 12.122V | 5.045V | 3.303V | 5.084V | 263.379 | | | | 45.42°C | 114.8V |
| 30% | 26.678A | 3.477A | 3.509A | 1.382A | 359.074 | 91.252% | 998 | 22.5 | 41.22°C | 0.939 |
| | 12.108V | 5.033V | 3.291V | 5.066V | 364.232 | | | | 46.28°C | 107.51V |
| 40% | 36.238A | 3.983A | 4.025A | 1.585A | 479.469 | 91.035% | 1033 | 23.4 | 41.7°C | 0.982 |
| | 12.094V | 5.021V | 3.279V | 5.046V | 526.685 | | | | 47.21°C | 114.72V |
| 50% | 45.427A | 4.993A | 5.053A | 1.79A | 599.224 | 90.391% | 1574 | 35.0 | 42.17°C | 0.988 |
| | 12.080V | 5.008V | 3.265V | 5.027V | 662.925 | | | | 48.26°C | 114.68V |
| 60% | 54.705A | 6.008A | 6.09A | 1.997A | 719.755 | 89.678% | 1965 | 41.0 | 42.81°C | 0.991 |
| | 12.064V | 4.994V | 3.251V | 5.007V | 802.601 | | | | 49.34°C | 114.64V |
| 70% | 63.941A | 7.031A | 7.139A | 2.206A | 839.482 | 88.866% | 2023 | 41.7 | 43.36°C | 0.993 |
| | 12.048V | 4.978V | 3.236V | 4.986V | 944.66 | | | | 50.39°C | 114.58V |
| 80% | 73.269A | 8.06A | 8.199A | 2.314A | 959.477 | 87.956% | 2024 | 41.7 | 43.73°C | 0.995 |
| | 12.032V | 4.962V | 3.22V | 4.969V | 1090.853 | | | | 52.02°C | 114.54V |
| 90% | 82.948A | 8.586A | 8.733A | 2.424A | 1079.291 | 87.008% | 2024 | 41.7 | 44.68°C | 0.995 |
| | 12.017V | 4.949V | 3.206V | 4.951V | 1240.443 | | | | 53.76°C | 114.49V |
| 100% | 92.468A | 9.119A | 9.307A | 3.056A | 1199.332 | 85.835% | 2021 | 41.7 | 45.65°C | 0.995 |
| | 12.000V | 4.935V | 3.191V | 4.909V | 1397.253 | | | | 55.66°C | 114.44V |
| 110% | 101.958A | 10.168A | 10.493A | 3.066A | 1319.935 | 84.298% | 2023 | 41.7 | 46.77°C | 0.991 |
| | 11.982V | 4.917V | 3.173V | 4.892V | 1565.803 | | | | 57.68°C | 114.4V |
| CL1 | 1.980A | 12.433A | 12.553A | 0.489A | 129.409 | 81.297% | 995 | 22.5 | 39.98°C | 0.918 |
| | 12.129V | 4.987V | 3.258V | 5.108V | 159.18 | | | | 45.43°C | 114.83V |
| CL2 | 1.978A | 15.346A | 1.003A | 0.488A | 106.505 | 81.937% | 1002 | 22.6 | 40.23°C | 0.898 |
| | 12.137V | 4.998V | 3.29V | 5.118V | 129.985 | | | | 47.31°C | 114.84V |
| CL3 | 1.978A | 0.995A | 14.597A | 0.489A | 79.299 | 77.386% | 993 | 22.4 | 40.33°C | 0.881 |
| | 12.129V | 5.027V | 3.274V | 5.117V | 102.472 | | | | 49.39°C | 114.85V |
| CL4 | 98.979A | 1.002A | 1.019A | 0.496A | 1199.512 | 86.662% | 2033 | 41.8 | 45.07°C | 0.996 |
| | 12.010V | 4.991V | 3.237V | 5.038V | 1384.15 | | | | 55.98°C | 114.45V |

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Aqirys Quasar 1200W

20-80W 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 | 1.222A | 0.493A | 0.495A | 0.194A | 19.997 | 54.326% | 990 | 22.3 | 36.58°C | 0.783 |
| | 12.142V | 5.074V | 3.331V | 5.143V | 36.81 | | | | 39.71°C | 114.87V |
| 40W | 2.694A | 0.69A | 0.694A | 0.292A | 39.997 | 76.028% | 992 | 22.4 | 37.19°C | 0.819 |
| | 12.137V | 5.072V | 3.329V | 5.137V | 52.61 | | | | 40.49°C | 114.87V |
| 60W | 4.164A | 0.888A | 0.893A | 0.39A | 59.997 | 81.391% | 994 | 22.4 | 38.48°C | 0.856 |
| | 12.135V | 5.07V | 3.326V | 5.131V | 73.716 | | | | 42.26°C | 114.86V |
| 80W | 5.630A | 1.086A | 1.092A | 0.488A | 79.94 | 83.097% | 994 | 22.4 | 39.29°C | 0.877 |
| | 12.134V | 5.067V | 3.323V | 5.125V | 96.202 | | | | 43.25°C | 114.85V |

RIPPLE MEASUREMENTS 115V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|-------------|---------|---------|---------|---------|-----------|
| 10% Load | 14.9 mV | 20.3 mV | 25.5 mV | 10.7 mV | Pass |
| 20% Load | 17.1 mV | 20.2 mV | 19.0 mV | 12.9 mV | Pass |
| 30% Load | 16.6 mV | 20.8 mV | 19.1 mV | 13.3 mV | Pass |
| 40% Load | 17.6 mV | 22.9 mV | 19.4 mV | 13.0 mV | Pass |
| 50% Load | 18.5 mV | 24.1 mV | 19.3 mV | 13.8 mV | Pass |
| 60% Load | 20.8 mV | 26.0 mV | 20.6 mV | 14.9 mV | Pass |
| 70% Load | 21.2 mV | 26.7 mV | 21.6 mV | 13.6 mV | Pass |
| 80% Load | 25.0 mV | 30.6 mV | 22.6 mV | 13.2 mV | Pass |
| 90% Load | 24.6 mV | 33.0 mV | 24.5 mV | 14.1 mV | Pass |
| 100% Load | 30.4 mV | 38.3 mV | 28.0 mV | 24.6 mV | Pass |
| 110% Load | 37.2 mV | 43.6 mV | 31.5 mV | 24.4 mV | Pass |
| Crossload 1 | 22.3 mV | 39.0 mV | 27.3 mV | 9.4 mV | Pass |
| Crossload 2 | 14.0 mV | 17.2 mV | 27.4 mV | 8.9 mV | Pass |
| Crossload 3 | 19.3 mV | 58.4 mV | 18.0 mV | 8.7 mV | Fail |
| Crossload 4 | 29.7 mV | 22.1 mV | 23.4 mV | 17.8 mV | Pass |

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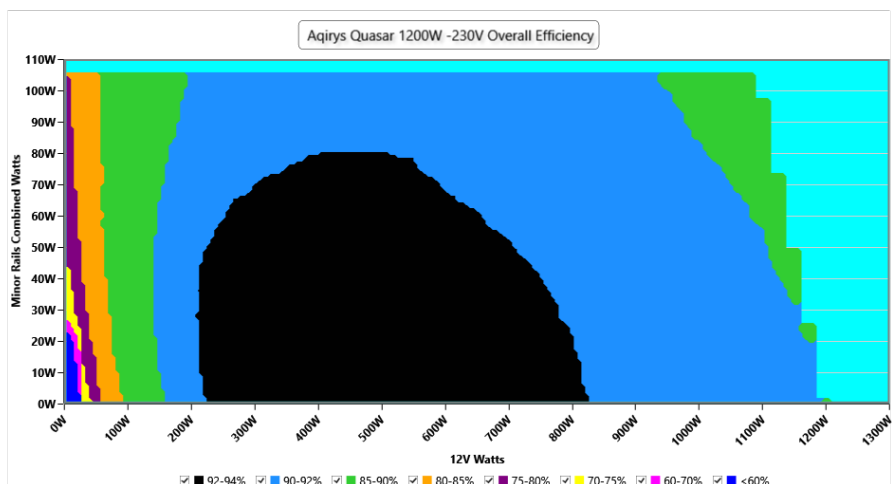
230V

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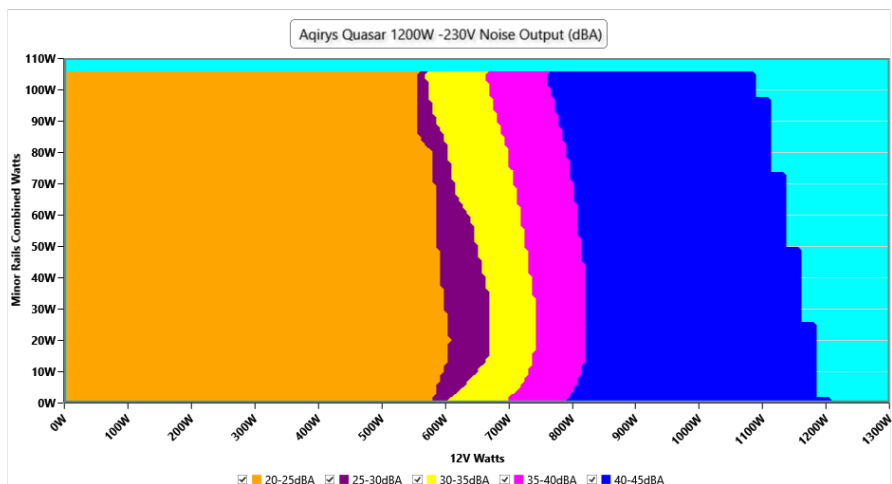
EFFICIENCY GRAPH 230V



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



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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

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VAMPIRE POWER -230V

Detailed Results

| | Average | Min | Limit Min | Max | Limit Max | Result |
|--------------------|----------|----------|-----------|----------|-----------|--------|
| Mains Voltage RMS: | 229.97 V | 229.90 V | 227.70 V | 230.01 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: | 1.416 | 1.415 | 1.340 | 1.418 | 1.490 | PASS |
| Mains Voltage THD: | 0.13 % | 0.07 % | N/A | 0.18 % | 2.00 % | PASS |
| Real Power: | 0.113 W | 0.090 W | N/A | 0.147 W | N/A | N/A |
| Apparent Power: | 34.786 W | 34.755 W | N/A | 34.820 W | N/A | N/A |
| Power Factor: | 0.003 | N/A | N/A | N/A | N/A | N/A |

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10-110% 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% | 8.106A | 1.977A | 1.99A | 0.98A | 119.989 | 87.366% | 996 | 22.5 | 40.3°C | 0.818 |
| | 12.138V | 5.058V | 3.317V | 5.101V | 137.344 | | | | 44.59°C | 229.93V |
| 20% | 17.245A | 2.974A | 2.997A | 1.181A | 239.947 | 92.037% | 996 | 22.5 | 40.58°C | 0.895 |
| | 12.122V | 5.044V | 3.303V | 5.082V | 260.705 | | | | 45.11°C | 229.91V |
| 30% | 26.686A | 3.478A | 3.51A | 1.382A | 359.15 | 92.905% | 998 | 22.5 | 41.14°C | 0.929 |
| | 12.107V | 5.033V | 3.291V | 5.064V | 386.583 | | | | 46.14°C | 229.89V |
| 40% | 36.246A | 3.984A | 4.026A | 1.586A | 479.54 | 93.019% | 1016 | 23.0 | 41.84°C | 0.949 |
| | 12.093V | 5.021V | 3.279V | 5.044V | 515.529 | | | | 47.36°C | 229.88V |
| 50% | 45.436A | 4.994A | 5.055A | 1.791A | 599.29 | 92.553% | 1626 | 35.9 | 42.33°C | 0.961 |
| | 12.078V | 5.007V | 3.264V | 5.024V | 647.513 | | | | 48.35°C | 229.85V |
| 60% | 54.716A | 6.01A | 6.092A | 1.998A | 719.817 | 92.028% | 1965 | 41.0 | 42.8°C | 0.968 |
| | 12.063V | 4.993V | 3.25V | 5.004V | 782.17 | | | | 49.31°C | 229.84V |
| 70% | 63.953A | 7.033A | 7.141A | 2.207A | 839.54 | 91.492% | 2024 | 41.7 | 43.18°C | 0.974 |
| | 12.047V | 4.978V | 3.235V | 4.984V | 917.608 | | | | 50.22°C | 229.82V |
| 80% | 73.279A | 8.059A | 8.197A | 2.315A | 959.479 | 90.966% | 2030 | 41.7 | 43.77°C | 0.978 |
| | 12.031V | 4.963V | 3.22V | 4.968V | 1054.775 | | | | 51.81°C | 229.8V |
| 90% | 82.961A | 8.588A | 8.735A | 2.425A | 1079.307 | 90.261% | 2027 | 41.7 | 44.22°C | 0.981 |
| | 12.015V | 4.949V | 3.205V | 4.95V | 1195.765 | | | | 53.24°C | 229.77V |
| 100% | 92.482A | 9.12A | 9.309A | 3.057A | 1199.345 | 89.43% | 2028 | 41.7 | 45.74°C | 0.983 |
| | 11.998V | 4.934V | 3.19V | 4.907V | 1341.087 | | | | 55.83°C | 229.76V |
| 110% | 101.976A | 10.171A | 10.5A | 3.067A | 1319.964 | 88.401% | 2025 | 41.7 | 46.79°C | 0.985 |
| | 11.980V | 4.916V | 3.171V | 4.891V | 1493.163 | | | | 57.69°C | 229.74V |
| CL1 | 1.980A | 12.437A | 12.562A | 0.489A | 129.414 | 82.269% | 998 | 22.5 | 41.43°C | 0.837 |
| | 12.128V | 4.985V | 3.256V | 5.108V | 157.305 | | | | 46.89°C | 229.93V |
| CL2 | 1.978A | 15.35A | 1.003A | 0.489A | 106.511 | 81.859% | 1003 | 22.6 | 40.57°C | 0.811 |
| | 12.136V | 4.997V | 3.289V | 5.117V | 130.113 | | | | 47.66°C | 229.94V |
| CL3 | 1.980A | 0.995A | 14.597A | 0.489A | 79.302 | 78.072% | 990 | 22.3 | 40.3°C | 0.765 |
| | 12.128V | 5.027V | 3.274V | 5.117V | 101.576 | | | | 49.38°C | 229.94V |
| CL4 | 98.989A | 1.002A | 1.019A | 0.496A | 1199.529 | 90.192% | 2039 | 41.8 | 45.3°C | 0.983 |
| | 12.009V | 4.991V | 3.237V | 5.038V | 1329.98 | | | | 56.23°C | 229.75V |

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Anex

Aqirys Quasar 1200W

20-80W 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 | 0.492A | 0.495A | 0.194A | 19.999 | 55.078% | 986 | 22.2 | 36.66°C | 0.471 |
| | 12.135V | 5.079V | 3.336V | 5.144V | 36.315 | | | | 39.75°C | 229.95V |
| 40W | 2.694A | 0.69A | 0.694A | 0.292A | 39.999 | 76.168% | 992 | 22.4 | 37.59°C | 0.586 |
| | 12.136V | 5.073V | 3.33V | 5.138V | 52.513 | | | | 40.91°C | 229.95V |
| 60W | 4.164A | 0.887A | 0.892A | 0.39A | 59.997 | 80.822% | 993 | 22.4 | 38.26°C | 0.69 |
| | 12.133V | 5.072V | 3.328V | 5.132V | 74.233 | | | | 41.76°C | 229.94V |
| 80W | 5.630A | 1.085A | 1.092A | 0.488A | 79.94 | 83.791% | 994 | 22.4 | 39.11°C | 0.753 |
| | 12.134V | 5.067V | 3.323V | 5.125V | 95.406 | | | | 42.99°C | 229.94V |

RIPPLE MEASUREMENTS 230V

| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
|-------------|---------|---------|---------|---------|-----------|
| 10% Load | 13.0 mV | 17.7 mV | 22.9 mV | 8.6 mV | Pass |
| 20% Load | 14.4 mV | 17.9 mV | 16.7 mV | 11.0 mV | Pass |
| 30% Load | 15.9 mV | 19.4 mV | 17.2 mV | 12.1 mV | Pass |
| 40% Load | 16.9 mV | 20.8 mV | 18.6 mV | 12.4 mV | Pass |
| 50% Load | 18.5 mV | 22.9 mV | 20.1 mV | 13.8 mV | Pass |
| 60% Load | 19.6 mV | 25.3 mV | 20.1 mV | 14.7 mV | Pass |
| 70% Load | 20.9 mV | 26.5 mV | 21.1 mV | 13.8 mV | Pass |
| 80% Load | 22.2 mV | 29.8 mV | 22.5 mV | 16.0 mV | Pass |
| 90% Load | 23.7 mV | 31.1 mV | 21.8 mV | 13.7 mV | Pass |
| 100% Load | 27.0 mV | 34.9 mV | 23.8 mV | 20.3 mV | Pass |
| 110% Load | 29.2 mV | 36.2 mV | 24.0 mV | 23.2 mV | Pass |
| Crossload 1 | 20.9 mV | 35.5 mV | 24.8 mV | 7.5 mV | Pass |
| Crossload 2 | 11.7 mV | 15.2 mV | 23.9 mV | 6.8 mV | Pass |
| Crossload 3 | 16.8 mV | 56.7 mV | 16.3 mV | 6.9 mV | Fail |
| Crossload 4 | 25.8 mV | 20.6 mV | 20.8 mV | 15.7 mV | Pass |

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Anex

Aqirys Quasar 1200W



Top side

| QUASAR 1200W | | | | | |
|---------------------|---|-----|-------|------|-------|
| AC INPUT | 100-240V • 15A • 50/60Hz | | | | |
| DC OUTPUT | +3.3V | +5V | +12V | -12V | +5VSB |
| MAX. CURRENT | 16A | 16A | 100A | 0.3A | 3A |
| MAX. COMBINED POWER | 103W | | 1200W | 3.6W | 15W |
| | 1200W | | | | |
| PROTECTION LEVELS | OPP • UVP • OVP • SCP • NLO • SIP • OCP • OTP | | | | |

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Power specifications label

CERTIFICATIONS 115V




Aristeidis Bitziopoulos
Lab Director

CERTIFICATIONS 230V



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