

Anex

XPG Cybercore 1300 Platinum

Lab ID#: AD13001990

Receipt Date: Feb 9, 2022

Test Date: Mar 21, 2022

Report: 22PS1990A

Report Date: Mar 21, 2022

| DUT INFORMATION | |
|--------------------|--------------|
| Brand | XPG |
| Manufacturer (OEM) | CWT |
| Series | Cybercore |
| Model Number | |
| Serial Number | 4L4380001357 |
| DUT Notes | |

| DUT SPECIFICAT | TIONS |
|------------------------|--|
| Rated Voltage (Vrms) | 100-240 |
| Rated Current (Arms) | 15 |
| Rated Frequency (Hz) | 50-60 |
| Rated Power (W) | 1300 |
| Туре | ATX12V |
| Cooling | 120mm Double Ball Bearing Fan (D1225C12B6ZPAC7) |
| Semi-Passive Operation | / |
| Cable Design | Fully Modular |

| TEST EQUIPMENT | |
|--------------------|---|
| Electronic Loads | Chroma 63601-5 x4 Chroma 63600-2 x2 63640-80-80 x20 63610-80-20 x2 |
| AC Sources | Chroma 6530, Keysight AC6804B |
| Power Analyzers | N4L PPA1530 x2 |
| Sound Analyzer | Bruel & Kjaer 2270 G4 |
| Microphone | Bruel & Kjaer Type 4955-A |
| Data Loggers | Picoscope TC-08 x2, Labjack U3-HV x2 |
| Tachometer | UNI-T UT372 x2 |
| Digital Multimeter | Keysight U1273AX, Fluke 289, Keithley 2015 - THD |
| UPS | CyberPower OLS3000E 3kVA x2 |
| Transformer | 3kVA x2 |

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| 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 | 89.053% |
| Efficiency With 10W (≤500W) or 2% (>500W) | 70.911 |
| Average Efficiency 5VSB | 77.952% |
| Standby Power Consumption (W) | 0.0206000 |
| Average PF | 0.985 |
| Avg Noise Output | 28.73 dB(A) |
| Efficiency Rating (ETA) | PLATINUM |
| Noise Rating (LAMBDA) | A- |

| 230V | |
|-------------------------------|-------------|
| Average Efficiency | 91.261% |
| Average Efficiency 5VSB | 78.623% |
| Standby Power Consumption (W) | 0.0810000 |
| Average PF | 0.954 |
| Avg Noise Output | 28.82 dB(A) |
| Efficiency Rating (ETA) | PLATINUM |
| Noise Rating (LAMBDA) | A- |

| POWER SPEC | IFICATIONS | | | | | |
|----------------------|------------|------|----|--------|------|------|
| Rail | | 3.3V | 5V | 12V | 5VSB | -12V |
| Mary Davis | Amps | 25 | 25 | 108.33 | 3 | 0.3 |
| Max. Power | Watts | 130 | | 1300 | 15 | 3.6 |
| Total Max. Power (W) | | 1300 | | | | |

| HOLD-UP TIME & POWER OK SIGNAL (230V) | |
|---------------------------------------|------|
| Hold-Up Time (ms) | 17.7 |
| AC Loss to PWR_OK Hold Up Time (ms) | 16.7 |
| PWR_OK Inactive to DC Loss Delay (ms) | 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 (750mm) | 1 | 1 | 16-18AWG | No |
| 4+4 pin EPS12V (750mm) | 2 | 2 | 16AWG | No |
| 6+2 pin PCle (750mm) | 6 | 6 | 16AWG | No |
| 6+2 pin PCle (750mm+150mm) | 2 | 4 | 16-18AWG | No |
| SATA (600mm+150mm+150mm+150mm) | 4 | 16 | 18AWG | No |
| 4-pin Molex (600mm+150mm+150mm+150mm) | 2 | 8 | 18AWG | No |
| FDD Adapter (150mm) | 2 | 2 | 20AWG | No |

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| General Data | - |
|------------------------|--|
| Manufacturer (OEM) | CWT |
| PCB Type | Double Sided |
| Primary Side | - |
| Transient Filter | 6x Y caps, 2x X caps, 2x CM chokes, 1x MOV |
| Inrush Protection | NTC Thermistor SCK207R0 (7 Ohm) & Relay |
| Bridge Rectifier(s) | 2x Vishay LVB2560 (600V, 25A @ 105°C) |
| APFC MOSFETs | 2x On Semiconductor FCPF067N65S3 (650V, 28A \otimes 100°C, Rds(on): 0.067Ohm) & 1x Sync Power SPN5003 FET (for reduced no-load consumption) |
| APFC Boost Diode | 2x Infineon IDH10G65C6 (650V, 10A @ 140°C) |
| Bulk Cap(s) | 2x Nippon Chemi-Con (400V, 680uF each or 1360uF combined, 2,000h @ 105°C, KMW) |
| Main Switchers | 4x Alpha & Omega AOTF29S50 (500V, 18A @ 100°C, Rds(on): 0.15Ohm) |
| IC Driver | 2x Silicon Labs Si8233BD & 1x On Semiconductor NCP81071 |
| APFC MCU | 1x Texas Instrument UCD3138A |
| LLC Resonant MCU | 1x Texas Instrument UCD3138A |
| Topology | Primary side: Semi-Digital, Interleaved PFC, Full-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters |
| Secondary Side | - |
| +12V MOSFETs | 8x Infineon BSC016N06NS (60V, 143A @ 100°C, Rds(on): 1.6mOhm) |
| 5V & 3.3V | DC-DC Converters |
| Filtering Capacitors | Electrolytic: $4x$ Nippon Chemi-Con (105° C,W), $2x$ Nippon Chemi-Con ($2-5,000h @ 105^{\circ}$ C, KZE), $4x$ Nippon Chemi-Con ($4-10,000h @ 105^{\circ}$ C, KY), $2x$ Rubycon ($6-10,000h @ 105^{\circ}$ C, ZLH), $1x$ Rubycon ($4-10,000h @ 105^{\circ}$ C, YXJ), $1x$ Rubycon ($4-10,000h @ 105^{\circ}$ C, YXF) Polymer: $36x$ FPCAP, $4x$ Nippon Chemi-Con |
| Supervisor IC | Weltrend WT7502R (OVP, UVP, SCP, PG) |
| Fan Model | XPG Nidec D1225C12B6ZPAC7 (120mm, 12V, 0.13A, Double Ball Bearing Fan) |
| 5VSB Circuit | - |
| Rectifier | 1x PS1045L (45V, 10A) SBR & 1x IPS ISD04N65A FET |
| Standby PWM Controller | On-Bright OB5282 |
| - | |

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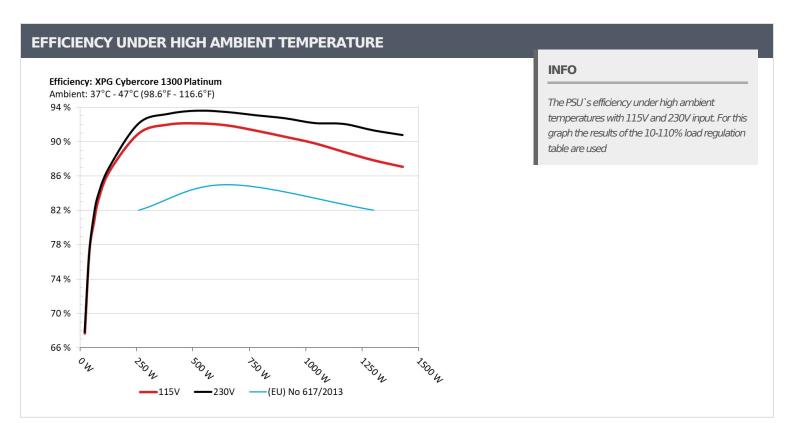
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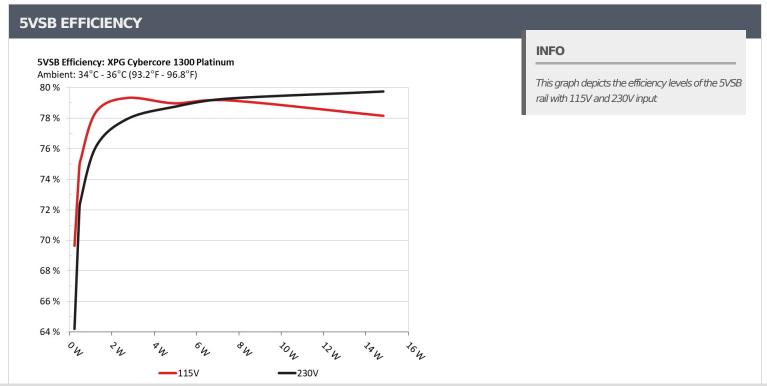
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| 5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC) | | | | | |
|---|--------|---------------|------------|-------------|--|
| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts | |
| 1 | 0.045A | 0.225W | CO C 410/ | 0.026 | |
| 1 | 4.989V | 0.323W | 69.641% | 115.15V | |
| 2 | 0.09A | 0.449W | 74 7050/ | 0.047 | |
| | 4.988V | 0.601W | 74.705% | 115.15V | |
| _ | 0.55A | 2.74W | 70 2260/ | 0.232 | |
| 3 | 4.981V | 3.454W | 79.326% | 115.14V | |
| | 1A | 4.974W | 70.0570/ | 0.342 | |
| 4 | 4.973V | 6.299W | 78.967% | 115.13V | |
| _ | 1.5A | 7.45W | | 0.407 | |
| 5 | 4.965V | 9.409W | 79.168% | 115.13V | |
| | 3A | 14.818W | | 0.497 | |
| 6 | 4.939V | 18.961W | 78.152% | 115.14V | |

| 5VSB EFFI | 5VSB EFFICIENCY -230V (ERP LOT 3/6 & CEC) | | | | |
|-----------|---|---------------|------------|-------------|--|
| Test # | 5VSB | DC/AC (Watts) | Efficiency | PF/AC Volts | |
| | 0.045A | 0.225W | C4 2000/ | 0.008 | |
| 1 | 4.989V | 0.35W | 64.209% | 230.36V | |
| 2 | 0.09A | 0.449W | 71 700/ | 0.015 | |
| | 4.991V | 0.626W | 71.78% | 230.36V | |
| 2 | 0.55A | 2.74W | 77.0500/ | 0.081 | |
| 3 | 4.98V | 3.516W | 77.962% | 230.35V | |
| 4 | 1A | 4.974W | 70.750/ | 0.139 | |
| 4 | 4.973V | 6.316W | 78.75% | 230.36V | |
| 5 | 1.5A | 7.449W | 70.0750/ | 0.194 | |
| | 4.965V | 9.394W | 79.275% | 230.35V | |
| 6 | ЗА | 14.82W | 70.7420/ | 0.308 | |
| | 4.939V | 18.593W | 79.743% | 230.35V | |
| | | | | | |

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115V

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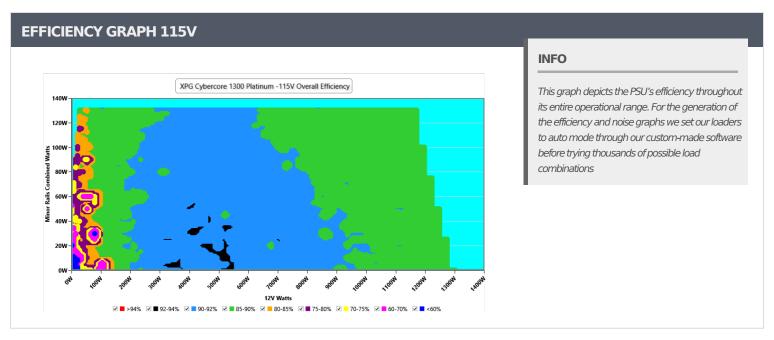
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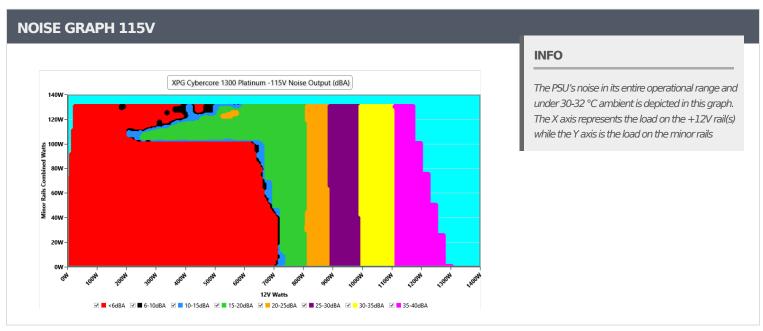
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| VAMPIRE POWER -115V | | | | | | | | | | | |
|---------------------|----------|----------|-----------|----------|-----------|--------|--|--|--|--|--|
| Detailed Results | | | | | | | | | | | |
| | Average | Min | Limit Min | Max | Limit Max | Result | | | | | |
| Mains Voltage RMS: | 115.14 V | 115.13 V | 113.85 V | 115.16 V | 116.15 V | PASS | | | | | |
| Mains Frequency: | 60.00 Hz | 60.00 Hz | 59.40 Hz | 60.00 Hz | 60.60 Hz | PASS | | | | | |
| Mains Voltage CF: | 1.415 | 1.415 | 1.340 | 1.416 | 1.490 | PASS | | | | | |
| Mains Voltage THD: | 0.13 % | 0.11 % | N/A | 0.14 % | 2.00 % | PASS | | | | | |
| Real Power: | 0.021 W | 0.019 W | N/A | 0.022 W | N/A | N/A | | | | | |
| Apparent Power: | 12.594 W | 12.591 W | N/A | 12.598 W | N/A | N/A | | | | | |
| Power Factor: | 0.002 | 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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| 10-1 | 10% LOAE | TESTS 1 | L15V | | | | | | | |
|-------|----------|---------|---------|--------|------------------|------------|-----------------------|----------------------|-------------------|----------------|
| Test | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
| 100/ | 8.972A | 1.985A | 1.988A | 0.996A | 129.989 | 06 5000/ | | 6.0 | 44.57°C | 0.984 |
| 10% | 12.081V | 5.039V | 3.32V | 5.022V | 150.119 | 86.582% | 0 | <6.0 | 40.16°C | 115.11\ |
| 200/ | 18.983A | 2.979A | 2.983A | 1.196A | 259.943 | 00.0770/ | 0 | -0.0 | 45.38°C | 0.994 |
| 20% | 12.066V | 5.036V | 3.318V | 5.017V | 285.714 | 90.977% | 0 | <6.0 | 40.55°C | 115.08\ |
| 200/ | 29.328A | 3.478A | 3.483A | 1.397A | 389.613 | 01.0010/ | 0 | | 46.79°C | 0.997 |
| 30% | 12.055V | 5.032V | 3.316V | 5.01V | 423.556 | 91.991% | 0 | <6.0 | 41.54°C | 115.04\ |
| 400/ | 39.727A | 3.976A | 3.981A | 1.598A | 519.607 | 02.1200/ | 0 | .00 | 47.32°C | 0.997 |
| 40% | 12.042V | 5.03V | 3.315V | 5.006V | 563.947 | 92.129% | 0 | <6.0 | 41.64°C | 115.01 |
| F00/ | 49.793A | 4.98A | 4.986A | 1.802A | 649.765 | 01.00/ | 0 | -0.0 | 47.97°C | 0.998 |
| 50% | 12.035V | 5.021V | 3.309V | 4.995V | 707.052 | 91.9% | 0 | <6.0 | 41.91°C | 114.98 |
| CO0/ | 59.935A | 5.976A | 5.984A | 2A | 779.929 | 01.0760/ | 929 | 16.2 | 42.72°C | 0.998 |
| 60% | 12.015V | 5.021V | 3.309V | 4.992V | 854.503 | 91.276% | | 16.2 | 49.24°C | 114.94 |
| 700/ | 70.101A | 6.976A | 6.985A | 2.206A | 910.052 | - 00 FF70/ | 1150 | 22.2 | 43.65°C | 0.998 |
| 70% | 11.996V | 5.019V | 3.308V | 4.987V | 1005.016 | 90.557% | 1150 | | 50.68°C | 114.91 |
| 000/ | 80.268A | 7.977A | 7.985A | 2.308A | 1039.682 | 00.0070/ | 1465 | 20.7 | 43.81°C | 0.998 |
| 80% | 11.982V | 5.016V | 3.306V | 4.984V | 1157.692 | 89.807% | 1465 | 29.7 | 52.02°C | 114.88 |
| 000/ | 90.903A | 8.478A | 8.471A | 2.41A | 1169.95 | 00.7040/ | 1740 | 24.0 | 45.55°C | 0.999 |
| 90% | 11.963V | 5.013V | 3.304V | 4.98V | 1317.671 | 88.794% | 1743 | 34.8 | 54.8°C | 114.85 |
| 1000/ | 101.274A | 8.982A | 8.991A | 3.022A | 1299.602 | - 07 0260/ | าาวว | <i>4</i> 1 E | 45.59°C | 0.999 |
| 100% | 11.947V | 5.01V | 3.303V | 4.963V | 1479.493 | 87.836% | 2233 | 41.5 | 55.78°C | 114.82\ |
| 1100/ | 111.569A | 9.989A | 10.089A | 3.024A | 1429.801 | 07.070/ | 2225 | 40.0 | 46.86°C | 0.999 |
| 110% | 11.934V | 5.006V | 3.3V | 4.961V | 1641.856 | 87.07% | 2235 | 40.2 | 57.67°C | 114.78 |
| Cl 1 | 0.115A | 15.534A | 15.569A | 0A | 131.265 | 01.0040/ | 0 | -6.0 | 48.44°C | 0.984 |
| CL1 | 12.074V | 5.04V | 3.314V | 5.069V | 159.291 | 81.984% | 0 | <6.0 | 43.13°C | 115.08 |
| CI 2 | 0.115A | | 020 | 16.2 | 43.27°C | 0.984 | | | | |
| CL2 | 12.079V | 5.052V | 3.316V | 5.108V | 157.894 | 80.089% | 930 | 16.2 | 50.61°C | 115.08 |
| CI 4 | 108.610A | 0A | 0A | 0A | 1299.909 | 00 6010/ | 2004 | 20 F | 43.9°C | 0.999 |
| CL4 | 11.968V | 5.011V | 3.307V | 5.018V | 1466.977 | 88.621% | 2084 | 39.5 | 55.08°C | 114.79\ |

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| 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 |
| 20147 | 1.228A | 0.496A | 0.496A | 0.198A | 19.994 | 67.6520/ | 67.653% 0 | | 40.38°C | 0.648 |
| 20W | 12.088V | 5.043V | 3.323V | 5.041V | 30.012 | 67.653% | | <6.0 | 37.33°C | 115.14V |
| 40144 | 2.704A | 0.694A | 0.695A | 0.298A | 39.992 | | 77.205% 0 | <6.0 | 41.23°C | 0.713 |
| 40W | 12.086V | 5.042V | 3.322V | 5.038V | 52.082 | 77.205% | | | 37.85°C | 115.14V |
| COM | 4.181A | 0.893A | 0.894A | 0.397A | 59.99 | 00 E 400/ | 0 | -6.0 | 42.98°C | 0.745 |
| 60W | 12.084V | 5.041V | 3.322V | 5.035V | 74.702 | 80.548% | 80.548% 0 | <6.0 | 39.11°C | 115.14V |
| 00147 | 5.654A | 1.091A | 1.093A | 0.497A | 79.939 | 02.1010/ | 0 | <6.0 | 44.05°C | 0.804 |
| 80W | 12.081V | 5.041V | 3.321V | 5.033V | 96.206 | 83.191% | 0 | | 39.98°C | 115.14V |

| RIPPLE MEA | SUREMENTS 115V | | | | |
|------------|----------------|---------|---------|--------|-----------|
| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
| 10% Load | 8.07mV | 5.11mV | 3.68mV | 5.10mV | Pass |
| 20% Load | 10.88mV | 5.73mV | 4.15mV | 5.00mV | Pass |
| 30% Load | 11.08mV | 5.68mV | 5.84mV | 5.45mV | Pass |
| 40% Load | 12.14mV | 6.54mV | 5.22mV | 5.97mV | Pass |
| 50% Load | 13.38mV | 6.70mV | 5.68mV | 6.12mV | Pass |
| 60% Load | 12.62mV | 7.31mV | 6.40mV | 6.42mV | Pass |
| 70% Load | 11.39mV | 8.03mV | 6.81mV | 6.48mV | Pass |
| 80% Load | 13.89mV | 8.44mV | 13.31mV | 8.05mV | Pass |
| 90% Load | 14.10mV | 9.10mV | 13.97mV | 7.75mV | Pass |
| 100% Load | 19.02mV | 9.85mV | 14.79mV | 9.84mV | Pass |
| 110% Load | 21.33mV | 10.55mV | 15.68mV | 9.63mV | Pass |
| Crossload1 | 8.94mV | 6.48mV | 12.52mV | 5.65mV | Pass |
| Crossload2 | 7.00mV | 6.75mV | 3.48mV | 4.84mV | Pass |
| Crossload3 | 0.00mV | 0.00mV | 0.00mV | 0.00mV | Pass |
| Crossload4 | 19.61mV | 8.68mV | 8.79mV | 8.83mV | Pass |

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230V

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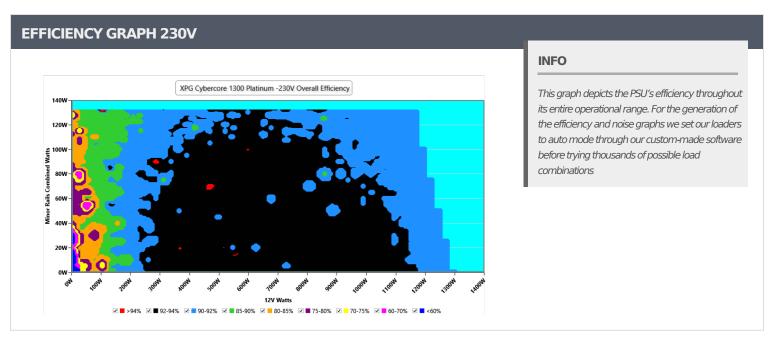
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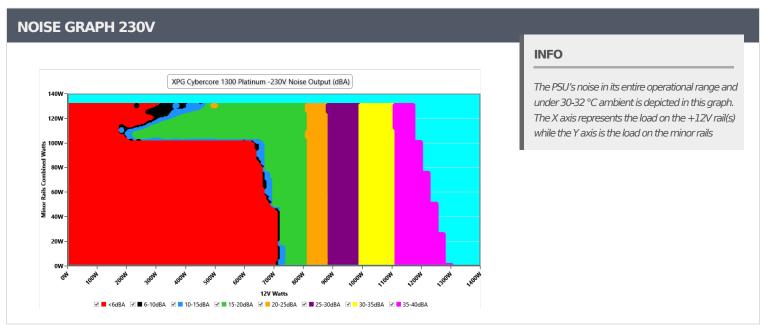
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| VAMPIRE POWER -230V | | | | | | | | | | | |
|---------------------|----------|----------|-----------|----------|-----------|--------|--|--|--|--|--|
| Detailed Results | | | | | | | | | | | |
| | Average | Min | Limit Min | Max | Limit Max | Result | | | | | |
| Mains Voltage RMS: | 230.37 V | 230.33 V | 227.70 V | 230.37 V | 232.30 V | PASS | | | | | |
| Mains Frequency: | 50.00 Hz | 50.00 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: | 0.081 W | 0.073 W | N/A | 0.089 W | N/A | N/A | | | | | |
| Apparent Power: | 42.057 W | 42.048 W | N/A | 42.063 W | N/A | N/A | | | | | |
| Power Factor: | 0.002 | 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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| 10-1 | 10% LOAE | TESTS 2 | 230V | | | | | | | |
|----------------|-----------------------------|----------|---------|--------|------------------|------------|-----------------------|----------------------|-------------------|----------------|
| Test | 12V | 5V | 3.3V | 5VSB | DC/AC (Watts) | Efficiency | Fan Speed (RPM) | PSU Noise (dB[A]) | Temps (In/Out) | PF/AC Volts |
| 100/ | 8.975A | 1.984A | 1.987A | 0.995A | 129.994 | 07.0660/ | 0 | | 45.41°C | 0.869 |
| 10% | 12.078V | 5.041V | 3.321V | 5.025V | 148.559 | 87.066% | 0 | <6.0 | 40.98°C | 230.34\ |
| 200/ | 18.986A | 2.978A | 2.982A | 1.196A | 259.953 | 02.1220/ | 0 | -0.0 | 46.47°C | 0.941 |
| 20% | 12.064V | 5.038V | 3.319V | 5.019V | 282.125 | 92.133% | 0 | <6.0 | 41.5°C | 230.33\ |
| 200/ | 29.340A | 3.476A | 3.481A | 1.396A | 389.63 | 02.2220/ | 0 | -0.0 | 47.71°C | 0.954 |
| 30% | 12.051V | 5.035V | 3.318V | 5.013V | 417.898 | 93.232% | 0 | <6.0 | 42.21°C | 230.31\ |
| 400/ | 39.741A | 3.975A | 3.98A | 1.598A | 519.607 | 02.000/ | _ | -0.0 | 48.41°C | 0.959 |
| 40% | 12.038V | 5.033V | 3.316V | 5.008V | 555.115 | 93.609% | 0 | <6.0 | 42.39°C | 230.29\ |
| E00/ | 49.841A | 4.97A | 4.976A | 1.799A | 649.768 | 02.450/ | 0 | -0.0 | 49.15°C | 0.97 |
| 50% | 12.023V | 5.031V | 3.315V | 5.004V | 695.374 | 93.45% | 0 | <6.0 | 42.53°C | 230.28\ |
| CO0/ | 59.971A | 5.97A | 5.979A | 2A | 779.933 | 02.070/ | 934 | 16.1 | 43.26°C | 0.973 |
| 60% | 12.008V | 5.026V | 3.312V | 4.996V | 838.166 | 93.07% | | 16.1 | 50.3°C | 230.25 |
| 700/ | 70.090A | 6.971A | 6.981A | 2.205A | 910.028 | - 02.7170/ | 1160 | 22.7 | 43.75°C | 0.97 |
| 70% | 11.998V | 5.022V | 3.309V | 4.989V | 981.446 | 92.717% | 1162 | 22.7 | 51.1℃ | 230.23\ |
| 000/ | 80.294A | 7.974A | 7.982A | 2.307A | 1039.679 | - 02.1620/ | 1.406 | 20.7 | 44.26°C | 0.983 |
| 80% | 11.978V | 5.018V | 3.307V | 4.985V | 1128.017 | 92.162% | 1486 | 29.7 | 52.43°C | 230.22\ |
| 000/ | 90.784A | 8.482A | 8.476A | 2.411A | 1169.688 | 02.0500/ | 1701 | 245 | 45°C | 0.984 |
| 90% | 11.975V | 5.01V | 3.303V | 4.978V | 1270.667 | 92.059% | 1731 | 34.5 | 54.35°C | 230.2V |
| 1000/ | 101.221A | 8.986A | 8.995A | 3.023A | 1299.505 | - 01 2170/ | 1060 | 20.1 | 45.66°C | 0.99 |
| 100% | 11.952V | 5.008V | 3.301V | 4.962V | 1423.109 | 91.317% | 1969 | 38.1 | 55.86°C | 230.19\ |
| 1100/ | 111.515A | 9.99A | 10.091A | 3.024A | 1429.695 | - 00 7710/ | 2240 | 41.6 | 46.86°C | 0.989 |
| 110% | 11.939V | 5.005V | 3.299V | 4.961V | 1574.926 | 90.771% | 2240 | 41.6 | 57.72°C | 230.17\ |
| Cl 1 | 0.116A | 15.518A | 15.554A | 0A | 131.292 | 02 2210/ | 402 | -6.0 | 40.7°C | 0.906 |
| CL1 | 12.063V | 5.046V | 3.317V | 5.076V | 158.107 | 83.231% | 493 | <6.0 | 45.84°C | 230.35 |
| CLO | 0.115A 24.73A 0A 0A 126.388 | OU 4E30/ | റാഠ | 16.2 | 43.2°C | 0.878 | | | | |
| CL2 | 12.072V | 5.055V | 3.318V | 5.112V | 156.333 | 80.753% | 928 | 16.2 | 50.44°C | 230.35 |
| CI 4 | 108.702A | 0A | 0A | 0A | 1300.054 | 01.6F0/ | 2101 | 20.0 | 43.48°C | 0.99 |
| CL4 11.960V | 11.960V | 5.016V | 3.309V | 5.023V | 1418.389 | 91.65% | 2101 | 39.8 | 54.33°C | 230.19\ |

All data and graphs included in this test report can be used by any individual on the following conditions:

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> 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



Anex

XPG Cybercore 1300 Platinum

| 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 |
| 2014 | 1.228A | 0.496A | 0.497A | 0.198A | 19.996 | CT 0000/ | 67.823% 0 | | 40.31°C | 0.436 |
| 20W | 12.088V | 5.042V | 3.322V | 5.04V | 29.654 | 67.823% | | <6.0 | 37.23°C | 230.36V |
| 40)44 | 2.704A | 0.694A | 0.695A | 0.298A | 39.995 | 70.0070/ | 6.905% 0 | <6.0 | 41.39°C | 0.612 |
| 40W | 12.085V | 5.042V | 3.322V | 5.038V | 52.561 | 76.905% | | | 38.19°C | 230.36V |
| COM | 4.182A | 0.893A | 0.894A | 0.397A | 59.993 | 01 200/ | 81.28% 0 | <6.0 | 42.22°C | 0.711 |
| 60W | 12.082V | 5.042V | 3.322V | 5.036V | 74.189 | 81.28% | | | 38.72°C | 230.35V |
| 00)44 | 5.656A | 1.091A | 1.092A | 0.497A | 79.944 | 02.0020/ | 0 | | 42.86°C | 0.782 |
| 80W | 12.079V | 5.042V | 3.322V | 5.034V | 95.397 | 83.803% | 0 | <6.0 | 39.14°C | 230.35V |

| RIPPLE MEA | SUREMENTS 230V | | | | |
|------------|----------------|---------|---------|--------|-----------|
| Test | 12V | 5V | 3.3V | 5VSB | Pass/Fail |
| 10% Load | 8.22mV | 5.11mV | 3.63mV | 4.79mV | Pass |
| 20% Load | 10.52mV | 4.91mV | 3.94mV | 4.79mV | Pass |
| 30% Load | 12.33mV | 5.68mV | 9.47mV | 5.51mV | Pass |
| 40% Load | 15.80mV | 5.98mV | 5.07mV | 5.86mV | Pass |
| 50% Load | 12.31mV | 6.14mV | 5.43mV | 6.37mV | Pass |
| 60% Load | 14.35mV | 6.75mV | 5.84mV | 6.02mV | Pass |
| 70% Load | 19.63mV | 7.52mV | 6.65mV | 7.70mV | Pass |
| 80% Load | 15.53mV | 8.33mV | 13.05mV | 7.44mV | Pass |
| 90% Load | 18.34mV | 8.54mV | 13.56mV | 8.46mV | Pass |
| 100% Load | 23.68mV | 9.55mV | 14.68mV | 8.89mV | Pass |
| 110% Load | 29.22mV | 10.29mV | 15.86mV | 9.95mV | Pass |
| Crossload1 | 10.57mV | 6.01mV | 12.50mV | 5.46mV | Pass |
| Crossload2 | 8.17mV | 6.34mV | 3.12mV | 4.79mV | Pass |
| Crossload3 | 0.00mV | 0.00mV | 0.00mV | 0.00mV | Pass |
| Crossload4 | 24.79mV | 8.09mV | 8.13mV | 8.43mV | Pass |

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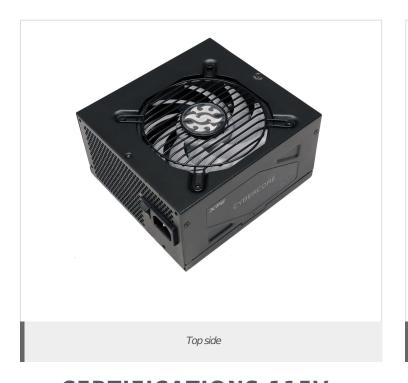
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Anex

XPG Cybercore 1300 Platinum





CERTIFICATIONS 115V CYBENETICS PLATINUM A-



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