

Lab ID#: CM75001889 Receipt Date: Aug 3, 2021 Test Date: Aug 27, 2021

EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Cooler Master XG 750

Report: 21PS1889A

Report Date: Aug 30, 2021

DUI INFORMATION	DUT	INFORMATION
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Brand	Cooler Master
Manufacturer (OEM)	Huizhou Xin Hui Yuan Tech (Fusion Power)
Series	XG
Model Number	MPG-7501-AFBAP
Serial Number	
DUT Notes	

DUT SPECIFICATIONS			
Rated Voltage (Vrms)	100-240		
Rated Current (Arms)	10-5		
Rated Frequency (Hz)	50-60		
Rated Power (W)	750		
Туре	ATX12V		
Cooling	140mm Fluid Dynamic Bearing Fan (DWPH EFC-14E12D)		
Semi-Passive Operation	✓ (selectable)		
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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EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Cooler Master XG 750

RESULTS	
Temperature Range (°C /°F)	30-32 / 86-89.6
ErP Lot 3/6 Ready	1
(EU) No 617/2013 Compliance	<i>J</i>
ALPM (Alternative Low Power Mode) compatible	1

115V		230V	
Average Efficiency	90.025%	Average Efficiency	91.777%
Efficiency With 10W (≤500W) or 2% (>500W)	67.637	Average Efficiency 5VSB	81.192%
Average Efficiency 5VSB	81.990%	Standby Power Consumption (W)	0.0835391
Standby Power Consumption (W)	0.0465930	Average PF	0.940
Average PF	0.984	Avg Noise Output	20.24 dB(A)
Avg Noise Output	20.31 dB(A)	Efficiency Rating (ETA)	PLATINUM
Efficiency Rating (ETA)	PLATINUM	Noise Rating (LAMBDA)	А
Noise Rating (LAMBDA)	А		

POWER SPECIFICATIONS

Rail		3.3V	5V	12V	5VSB	-12V
Max Dawar	Amps	20	20	62.5	3	0.3
Max. Power	Watts	100		750	15	3.6
Total Max. Power (W)		750				

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

Hold-Up Time (ms)	24.7
AC Loss to PWR_OK Hold Up Time (ms)	20.7
PWR_OK Inactive to DC Loss Delay (ms)	4

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Cooler Master XG 750

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CABLES AND CONNECTORS Modular Cables				
ATX connector 20+4 pin (650mm)	1	1	18AWG	No
4+4 pin EPS12V (650mm)	1	1	18AWG	No
8 pin EPS12V (650mm)	1	1	18AWG	No
6+2 pin PCle (550mm+125mm)	2	4	16-18AWG	No
SATA (500mm+125mm+125mm+125mm)	3	12	18AWG	No
4 pin Molex (500mm+125mm+125mm+125mm)	1	4	18AWG	No

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Cooler Master XG 750

General Data	
Manufacturer (OEM)	Huizhou Xin Hui Yuan Tech (Fusion Power)
РСВ Туре	Double Sided
Primary Side	
Transient Filter	4x Y caps, 2x X caps, 2x CM chokes, 1x MOV
Inrush Protection	1x NTC Thermistor MF72-5D15 (5 Ohm) & Relay
Bridge Rectifier(s)	2x MCC GBU15KL (800V, 15A @ 100°C)
APFC MOSFETs	2x NCE Power NCE65TF099 (650V, 24A @ 100°C, Rds(on): 0.109Ohm)
APFC Boost Diode	1x CDP0865G1
Bulk Cap(s)	1x TK (450V, 560uF, 2,000h @ 105°C, LGW)
Main Switchers	4x NCE Power NCE65TF130 (650V, 18A @ 100°C, Rds(on): 0.1300hm)
Digital Controllers	Champion CM6500UNX
MCU	Champion CM6901T6X
Topology	Primary side: APFC, Full-Bridge & LLC converter Secondary side: Synchronous Rectification & DC-DC converters
Secondary Side	
+12V MOSFETs	4x Infineon BSC010N04LS (40V, 178A @ 100°C, Rds(on): 1mOhm)
5V & 3.3V	DC-DC Converters: 2x Excelliance MOS EMB04N03A (30V, 55A @ 100°C, Rds(on): 4mOhm) & 2x Excelliance MOS EMB07N03 (30V, 17A @ 100°C, Rds(on): 7mOhm) PWM Controller(s): ANPEC APW7159C
Filtering Capacitors	Electrolytic:2x Nippon Chemi-Con (105°C, W), 4x Nippon Chemi-Con (2-5,000h @ 105°C, KZE), 8x Nippon Chemi-Con (4-10,000h @ 105°C, KY), 2x Nippon Chemi-Con (5-6,000h @ 105°C, KZH) Polymer: 22x FPCAP
Supervisor IC	IN1S313I-SAG
Fan Model	DWPH EFC-14E12D (140mm, 12V, 0.80A, Fluid Dynamic Bearing Fan)
5VSB Circuit	
Rectifier	1x 45R10C SBR
Standby PWM Controller	Excelliance MOS EM8569C

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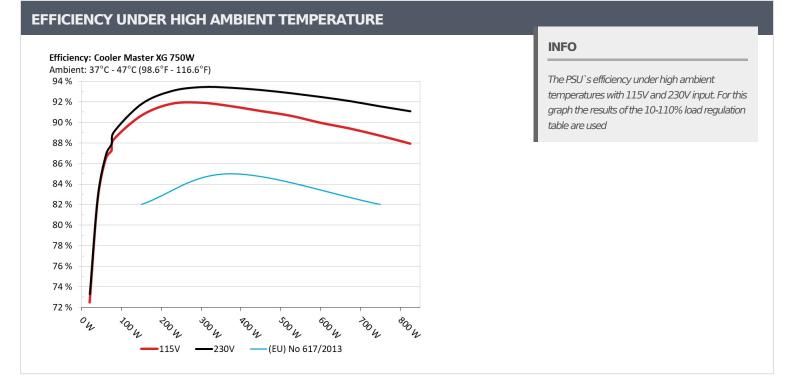
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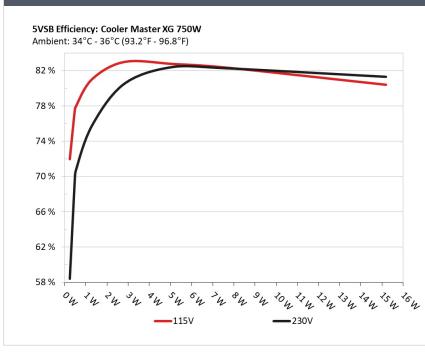


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5VSB EFFICIENCY



INFO

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

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5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC)				
5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts	
1	0.045A	0.232W	71.0700/	0.054
1	5.142V	0.322W	71.978%	115.18V
2	0.09A	0.463W		0.096
2	5.141V	0.598W	77.426%	115.18V
2	0.55A	2.822W	020/	0.329
3	5.129V	3.4W	83%	115.17V
4	1A	5.119W	00 76 49/	0.402
4	5.117V	6.185W	82.764%	115.17V
F	1.5A	7.658W	00.0470/	0.441
5	5.104V	9.3W	82.347%	115.17V
6	15.196W	00.400%	0.49	
	5.064V	18.898W	80.409%	115.16V

Test

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

5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts	
-	0.045A	0.232W	50 20 50	0.02
1	5.142V	0.397W	58.396%	230.37V
2	0.09A	0.463W	co 2079/	0.034
2	5.141V	0.667W	69.397%	230.37V
2	0.55A	2.822W	00 5000/	0.156
3	5.129V	3.505W	80.509%	230.37V
	1A	5.118W	00.0000/	0.236
4	5.117V	6.211W	82.399%	230.37V
-	1.5A	7.658W	02.245%	0.293
5	5.104V	9.311W	82.245%	230.37V
6	3.001A	15.197W	01.0700/	0.377
6	5.065V	18.697W	81.279%	230.37V

Test

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115V

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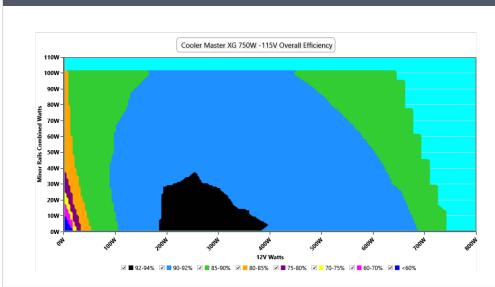
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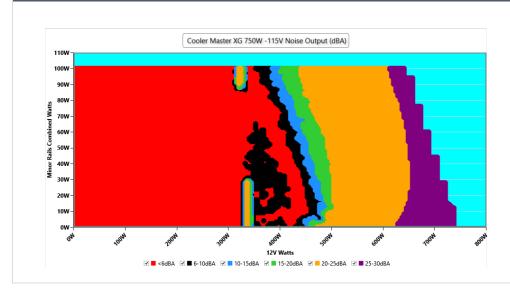
EFFICIENCY GRAPH 115V



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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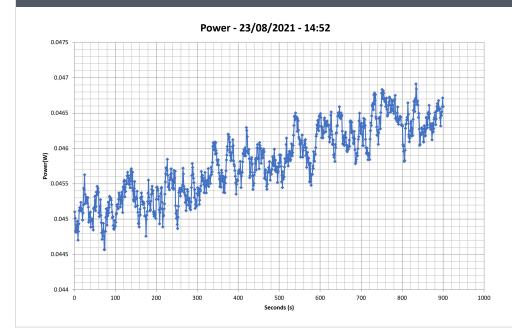
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VAMPIRE POWER -115V



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% LOA	D 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%	4.421A	1.989A	1.982A	0.978A	75.009	07.000/	0	<6.0	44.5°C	0.956
	12.081V	5.028V	3.33V	5.115V	85.941	87.28%			40.22°C	115.2V
20%	9.856A	2.985A	2.974A	1.176A	149.974	00 0050/	0		45.87°C	0.987
	12.080V	5.026V	3.329V	5.103V	165.38	90.685%		<6.0	41.09°C	115.19V
200/	15.639A	3.484A	3.47A	1.375A	224.982	01 000%	0		47.51°C	0.991
30%	12.080V	5.025V	3.329V	5.092V	245.002	91.829%	0	<6.0	42.18°C	115.19V
400/	21.427A	3.982A	3.967A	1.575A	300.074	91.94%	0		48.71°C	0.992
40%	12.081V	5.023V	3.328V	5.081V	326.38		0	<6.0	42.87°C	115.18V
F00/	26.840A	4.98A	4.959A	1.776A	374.783	01.00/	0	-6.0	49.77°C	0.987
50%	12.082V	5.022V	3.327V	5.07V	409.151	91.6%	0	<6.0	43.3°C	115.18V
CO 0(32.268A	5.978A	5.953A	1.978A	449.714	91.129%	755	22.9	43.41°C	0.986
60%	12.083V	5.02V	3.327V	5.058V	493.492				50.41°C	115.17V
700/	37.717A	6.977A	6.948A	2.181A	524.635	90.667%	758	23.0	43.86°C	0.987
70%	12.077V	5.018V	3.325V	5.046V	578.64				51.78°C	115.17V
	43.213A	7.978A	7.942A	2.284A	599.881	89.982%	980	20.0	44.27°C	0.988
80%	12.079V	5.016V	3.324V	5.036V	666.667			30.9	52.8°C	115.17V
000/	49.053A	8.478A	8.425A	2.388A	674.915		1078	33.5	44.57°C	0.989
90%	12.077V	5.015V	3.324V	5.027V	754.841	89.411%			53.64°C	115.17V
1000/	54.691A	8.98A	8.938A	2.998A	750.141			20.0	45.53°C	0.99
100%	12.076V	5.012V	3.323V	5.004V	845.539	88.718%	1361	39.8	55.27°C	115.17V
1100/	60.200A	9.981A	10.023A	3.002A	825.18	07.0510/	1500	43.9	46.85°C	0.991
110%	12.074V	5.011V	3.322V	4.997V	938.225	87.951%	1562		57.74°C	115.17V
0.1	0.116A	11.99A	11.945A	0A	101.322	04.0700/	•	<6.0	49.52°C	0.976
CL1	12.087V	5.022V	3.324V	5.126V	120.223	84.279%	0		42.66°C	115.21V
C D	0.116A	19.913A	0A	0A	101.407	01 0070/	•	6.0	50.86°C	0.976
CL2	12.092V	5.022V	3.323V	5.135V	125.141	81.037%	0	<6.0	43.31°C	115.21V
	0.116A	0A	19.85A	0A	67.402	77.1.500/	2		52.6°C	0.958
CL3	12.091V	5.015V	3.325V	5.124V	87.364	77.152%	0	<6.0	44.43°C	115.21V
O . (62.083A	0A	0A	0A	749.908				45.34°C	0.99
CL4	12.079V	5.016V	3.328V	5.097V	837.189	89.575%	1264	38.1	55.11℃	115.18V

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20-80W LOAD TESTS 115V									
12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
1.230A	0.497A	0.495A	0.195A	20.01	72 4020/	0	<6.0	39.2°C	0.762
12.079V	5.03V	3.331V	5.14V	27.609	72.482%	0		36.88°C	115.21V
2.707A	0.696A	0.694A	0.292A	40.009	82.472%	0	<6.0	40.79°C	0.891
12.080V	5.029V	3.331V	5.136V	48.512				37.98°C	115.21V
4.183A	0.895A	0.892A	0.39A	60.008	06 4270/	0	<6.0	41.84°C	0.943
12.080V	5.028V	3.33V	5.132V	69.423	86.437%			38.55°C	115.21V
5.657A	1.094A	1.09A	0.488A	79.976	00 22 69 /	0	<6.0	43.24°C	0.959
12.081V	5.028V	3.33V	5.128V	90.536	88.336%	U		39.31°C	115.2V
	12V 1.230A 12.079V 2.707A 12.080V 4.183A 12.080V 5.657A	12V 5V 1.230A 0.497A 12.079V 5.03V 2.707A 0.696A 12.080V 5.029V 4.183A 0.895A 12.080V 5.028V 5.657A 1.094A	12V5V3.3V1.230A0.497A0.495A12.079V5.03V3.331V2.707A0.696A0.694A12.080V5.029V3.331V4.183A0.895A0.892A12.080V5.028V3.33V5.657A1.094A1.09A	12V5V3.3V5VSB1.230A0.497A0.495A0.195A12.079V5.03V3.331V5.14V2.707A0.696A0.694A0.292A12.080V5.029V3.331V5.136V4.183A0.895A0.892A0.39A12.080V5.028V3.33V5.132V5.657A1.094A1.09A0.488A	12V 5V 3.3V 5VSB DC/AC (Watts) 1.230A 0.497A 0.495A 0.195A 20.01 12.079V 5.03V 3.331V 5.14V 27.609 2.707A 0.696A 0.694A 0.292A 40.009 12.080V 5.029V 3.331V 5.136V 48.512 4.183A 0.895A 0.892A 0.39A 60.008 12.080V 5.028V 3.33V 5.132V 69.423 5.657A 1.094A 1.09A 0.488A 79.976	12V 5V 3.3V 5VSB DC/AC (Watts) Efficiency 1.230A 0.497A 0.495A 0.195A 20.01 72.482% 12.079V 5.03V 3.331V 5.14V 27.609 72.482% 2.707A 0.696A 0.694A 0.292A 40.009 82.472% 12.080V 5.029V 3.331V 5.136V 48.512 82.472% 12.080V 5.029V 3.331V 5.136V 60.008 86.437% 12.080V 5.028V 3.33V 5.132V 69.423 86.437% 12.080V 5.028V 3.33V 5.132V 69.423 88.336%	12V5V3.3V5VSB DC/AC (Watts)EfficiencyFan Speed (RPM)1.230A0.497A0.495A0.195A20.01 72.482% 012.079V5.03V3.331V5.14V27.609 72.482% 02.707A0.696A0.694A0.292A40.009 82.472% 012.080V5.029V3.331V5.136V48.512 82.472% 012.080V5.029V3.331V5.136V48.512 86.437% 012.080V5.028V3.33V5.132V69.423 86.437% 012.080V5.028V1.09A0.488A79.976 88.336% 0	12V5V3.3V5VSB DC/AC (Watts)EfficiencyFan Speed (RPM)PSU Noise (dB[A])1.230A0.497A0.495A0.195A20.01 72.482% 0 -6.0 12.079V5.03V3.331V5.14V27.609 72.482% 0 -6.0 2.707A0.696A0.694A0.292A40.009 82.472% 0 -6.0 12.080V5.029V3.331V5.136V48.512 -6.0 -6.0 12.080V5.029V3.331V5.136V60.008 86.437% 0 -6.0 12.080V5.028V3.33V5.132V69.423 -86.437% 0 -6.0 12.080V5.028V1.09A0.488A79.976 88.336% 0 -6.0	12V 5V 3.3V 5VSB DC/AC (Watts) Efficiency Fan Speed (RPM) PSU Noise (dB[A]) Temps (in/Out) 1.230A 0.497A 0.495A 0.195A 20.01 72.482% 0 80.2% $30.2^{\circ}C$ $36.88^{\circ}C$ 12.079V 5.03V 3.331V $5.14V$ 27.609 72.482% 0 -6.0 $36.88^{\circ}C$ 2.707A 0.696A 0.694A 0.292A 40.009 82.472% 0 -6.0 $40.79^{\circ}C$ 12.080V 5.029V $3.331V$ $5.136V$ 48.512 82.472% 0 -6.0 $41.84^{\circ}C$ 12.080V $5.028V$ $3.33V$ $5.132V$ 69.008 86.437% 0 -6.0 $41.84^{\circ}C$ 12.080V $5.028V$ $3.33V$ $5.132V$ 69.423 88.336% 0 -6.0 $43.24^{\circ}C$ 5.657A $1.094A$ $1.09A$ $0.488A$ 79.976 88.336% 0 -6.0 $43.24^{\circ}C$

RIPPLE MEASUREMENTS 115V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	9.79mV	6.70mV	4.35mV	7.19mV	Pass
20% Load	12.24mV	7.01mV	4.61mV	7.29mV	Pass
30% Load	13.77mV	7.36mV	4.86mV	7.34mV	Pass
40% Load	13.36mV	7.57mV	5.27mV	8.01mV	Pass
50% Load	12.87mV	8.13mV	5.63mV	8.01mV	Pass
60% Load	14.15mV	9.00mV	5.89mV	8.06mV	Pass
70% Load	14.10mV	8.90mV	5.99mV	8.46mV	Pass
80% Load	13.53mV	8.75mV	10.75mV	8.46mV	Pass
90% Load	16.04mV	9.20mV	11.36mV	9.38mV	Pass
100% Load	22.17mV	10.53mV	12.21mV	9.34mV	Pass
110% Load	22.87mV	10.69mV	12.97mV	10.35mV	Pass
Crossload1	16.26mV	10.32mV	12.84mV	9.99mV	Pass
Crossload2	12.46mV	9.16mV	4.14mV	9.43mV	Pass
Crossload3	12.05mV	10.33mV	17.65mV	10.04mV	Pass
Crossload4	20.96mV	7.31mV	6.08mV	8.36mV	Pass

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EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Cooler Master XG 750

230V

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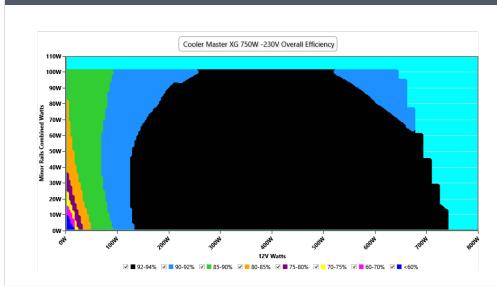
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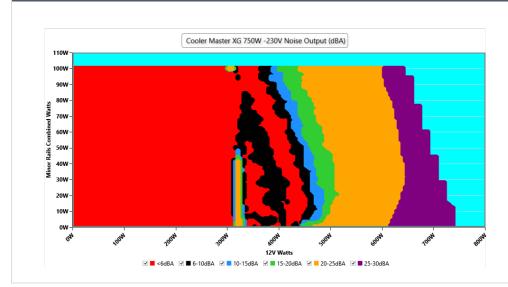
EFFICIENCY GRAPH 230V



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



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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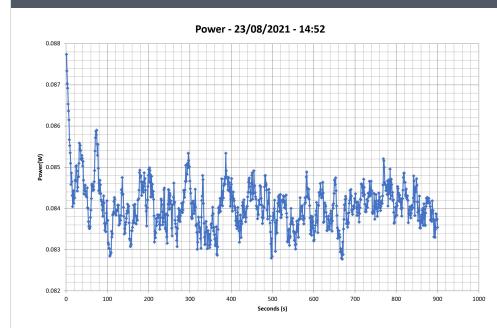
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Cooler Master XG 750

Anex

VAMPIRE POWER -230V



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% LOA	D 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%	4.422A	1.989A	1.982A	0.978A	75.009	07.0010/	0	<6.0	45.85°C	0.74
	12.076V	5.029V	3.33V	5.114V	85.343	87.891%			40.51°C	230.45V
200/	9.859A	2.984A	2.974A	1.176A	149.975	01 7700/			47.23°C	0.892
20%	12.077V	5.027V	3.329V	5.103V	163.411	91.778%	0	<6.0	41.23°C	230.45V
200/	15.643A	3.483A	3.47A	1.375A	224.982	02.0210/	0	-6.0	48.59°C	0.939
30%	12.077V	5.026V	3.329V	5.092V	241.834	93.031%	0	<6.0	42.14°C	230.45V
400/	21.432A	3.982A	3.967A	1.575A	300.078	93.426%	0		49.82°C	0.958
40%	12.078V	5.024V	3.328V	5.081V	321.193		0	<6.0	42.92°C	230.45V
	26.847A	4.979A	4.959A	1.776A	374.801	93.36%	0	-6.0	50.97°C	0.969
50%	12.080V	5.022V	3.327V	5.069V	401.46		0	<6.0	43.81°C	230.45V
CO 0/	32.276A	5.977A	5.953A	1.978A	449.714	93.14%	0	<6.0	52.1°C	0.974
60%	12.080V	5.021V	3.327V	5.058V	482.839				44.45°C	230.45V
700/	37.722A	6.975A	6.947A	2.181A	524.65	92.834%	750	22.8	44.63°C	0.977
70%	12.076V	5.02V	3.326V	5.046V	565.152				52.72°C	230.45V
000/	43.229A	7.976A	7.942A	2.284A	599.919	92.469%	890	28.0	44.91°C	0.978
80%	12.075V	5.017V	3.325V	5.036V	648.776				53.74°C	230.45V
000/	49.059A	8.478A	8.424A	2.388A	674.958	02.0520/	1105	34.2	45.14°C	0.981
90%	12.076V	5.015V	3.324V	5.027V	733.228	92.053%			54.43°C	230.45V
1000/	54.703A	8.98A	8.938A	2.999A	750.232		1240	20.0	45.85°C	0.981
100%	12.074V	5.013V	3.323V	5.003V	819.51	91.546%	1349	39.6	55.81°C	230.46V
1100/	60.218A	9.979A	10.023A	3.003A	825.225	01 07 40/	1401	42.3	46.89°C	0.982
110%	12.071V	5.012V	3.323V	4.997V	906.108	91.074%	1491		57.63°C	230.45V
01	0.116A	11.988A	11.945A	0A	101.328	OF 1240/	0	<6.0	50.72°C	0.838
CL1	12.086V	5.023V	3.324V	5.126V	119.023	85.134%	0		43.55°C	230.46V
C 12	0.116A	19.915A	0A	0A	101.416	01 570/	0	-6.0	52.58°C	0.848
CL2	12.092V	5.022V	3.324V	5.135V	124.332	81.57%	0	<6.0	44.53°C	230.47V
	0.116A	0A	19.842A	0A	67.409	70 2520/	0	-6.0	54.72°C	0.752
CL3	12.086V	5.022V	3.326V	5.124V	86.145	78.252%	0	<6.0	45.44°C	230.47V
	62.103A	0A	0A	0A	749.977	02.2000/	1015	0.70	45.06°C	0.981
CL4	12.076V	5.017V	3.329V	5.097V	811.771	92.388%	1215	37.0	55.01°C	230.46V

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Anex

Cooler Master XG 750

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	1.241A	0.5A	0.5A	0.2A	20.197	72 2000/	0	<6.0	39.96°C	0.466
	12.077V	5.031V	3.331V	5.14V	27.559	73.296%	0		36.79°C	230.45V
40W	2.721A	0.7A	0.7A	0.3A	40.255	00 71 40/	0	<6.0	41.26°C	0.598
	12.077V	5.03V	3.331V	5.136V	48.667	82.714%			37.67°C	230.46V
60W	4.224A	0.9A	0.9A	0.4A	60.604	06.0260/	5.836% 0	<6.0	43.15°C	0.687
	12.078V	5.03V	3.331V	5.132V	69.791	80.830%			38.77°C	230.46V
80W	5.704A	1.1A	1.1A	0.5A	80.663	00.0000	0	<6.0	44.84°C	0.757
	12.079V	5.029V	3.33V	5.128V	90.565	89.066%	0		39.78°C	230.46V

RIPPLE MEASUREMENTS 230V

Test	12V	5V	3.3V	5VSB	Pass/Fail
10% Load	9.13mV	6.65mV	4.71mV	7.70mV	Pass
20% Load	11.78mV	6.90mV	4.86mV	7.54mV	Pass
30% Load	13.32mV	7.72mV	4.81mV	7.95mV	Pass
40% Load	13.32mV	7.57mV	5.32mV	7.95mV	Pass
50% Load	12.72mV	8.18mV	5.83mV	8.26mV	Pass
60% Load	13.33mV	8.33mV	5.94mV	8.31mV	Pass
70% Load	13.23mV	8.75mV	5.94mV	8.36mV	Pass
80% Load	14.15mV	8.95mV	11.05mV	8.36mV	Pass
90% Load	15.12mV	9.25mV	11.72mV	8.01mV	Pass
100% Load	23.60mV	10.57mV	12.33mV	9.35mV	Pass
110% Load	23.83mV	10.65mV	13.15mV	9.24mV	Pass
Crossload1	15.89mV	10.08mV	12.94mV	9.81mV	Pass
Crossload2	11.34mV	9.05mV	3.79mV	9.48mV	Pass
Crossload3	12.00mV	9.82mV	16.63mV	10.25mV	Pass
Crossload4	22.30mV	7.89mV	6.22mV	8.86mV	Pass

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Anex

Cooler Master XG 750











Aristeidis Bitziopoulos Lab Director



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