

Anex

Corsair SF750 Platinum

Lab ID#: 551
Receipt Date: -

Report Date: Nov 27, 2018

Report:

Test Date: -

DUT INFORMATION				
Brand	Corsair			
Manufacturer (OEM)	Great Wall			
Series	SF Platinum			
Model Number	SF750 Platinum			
Serial Number	18414866000067140032			
DUT Notes				

DUT SPECIFICATIONS						
Rated Voltage (Vrms)	100-240					
Rated Current (Arms)	10-5					
Rated Frequency (Hz)	47-63					
Rated Power (W)	750					
Туре	SFX					
Cooling	92mm Rifle Bearing Fan (NR092L)					
Semi-Passive Operation	✓					
Cable Design	Fully Modular					

POWER SPECIFICATIONS							
Rail	3.3V	5V	12V	5VSB	-12V		
May Payer	Amps	20	20 20		2.5	0.3	
Max. Power Watts		130	130		12.5	3.6	
Total Max. Power (W)	750						

CABLES AND CONNECTORS							
Modular Cables							
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors			
ATX connector 20+4 pin (300mm)	1	1	16-18AWG	No			
4+4 pin EPS12V (400mm)	2	2	16AWG	No			
6+2 pin PCle (400mm+100mm)	2	4	16AWG	No			
SATA (100mm+120mm+120mm120mm)	2	8	18AWG	No			
4 pin Molex (100mm+120mm+120mm)	1	3	18AWG	No			
AC Power Cord (1380mm) - C13 coupler	1	1	16AWG	-			

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Anex

Corsair SF750 Platinum

Manufacturer (DEM) Great Wall Model Number RPS0115 Primary Side Transient Filter 4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x CMD02X Innush Protection NTC Thermistor & Diode Bridge Rectifier(s) 1x APFC MOSFET Infineon IP260R060C7 (650V, 22A @ 100°C, 0.06Ohm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Hold-up Cap Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) Wain Switchers 2x 60F2094 (600V, 15.8A @ 150°C, 0.19Ohm) Driver IC: Silcon Labs S8230BD Quasi-Resonant Controller APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6502UHHX & CM03AX Green PFC controller Quasi-Resonant Controller Infineon SQR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) SO-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C, PMM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (661B, 68, 694R, 684G, 685F), 6x Nichicon (LG) Supervisor IC Infinno NIS429-SCG Fan Model	C 15.	
Primary Side Transient Filter	General Data	
Primary Side Transient Filter	Manufacturer (OEM)	Great Wall
Transient Filter 4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x CMD02X Inrush Protection NTC Thermistor & Diode Bridge Rectifier(s) 1x APFC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Hold-up Cap Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) Wain Switchers 2x 60F2094 (600V, 15 A@ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Driver IC: Silicon Labs Si8230BD Quasi-Resonant Controller Infineon SQR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Quasi-Resonant Controller Infineon SQR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) 5V & 3.3V DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Filtering Capacitors Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) <td< td=""><td>Model Number</td><td>RPS0115</td></td<>	Model Number	RPS0115
Innush Protection NTC Thermistor & Diode Bridge Rectifier(s) 1x APFC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Main Switchers Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 50R1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 50R1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PVM Controller: APW715SC Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infino INIS429i-SCG Fan Controller PC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Primary Side	
Bridge Rectifier(s) IX APPC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon SQR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon SQR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PVM Controller: APW7159C Filtering Capacitors DC-DC Converters: 1x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PVM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (661B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infino INIS429i-SCG Fan Controller PC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Transient Filter	4x Y caps, 2x X caps, 3x CM chokes, 1x MOV, 1x CMD02X
APFC MOSFET Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.060hm) APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSM12R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (661B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Infino IN1S429i-SCG Fan Controller PC16F1824 Eventifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Inrush Protection	NTC Thermistor & Diode
APFC Boost Diode ROHM SCS306AP (650V, 6A @ 135°C) Hold-up Cap Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15,8A @ 150°C, 0.19Ohm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Filtering Capacitors Filtering Capacitors Filtering Capacitors Linfinno IN15429i-SCG Fan Controller PIC16F1824 Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) SVS B Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Bridge Rectifier(s)	1x
Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ) 2x 60F2094 (600V, 15.8A @ 150°C, 0.190hm) Driver IC: Silicon Labs Si8230BD Quasi-Resonant Controller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Topology Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Filtering Capacitors Polymers: Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (661B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infino IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) SVSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	APFC MOSFET	Infineon IPZ60R060C7 (650V, 22A @ 100°C, 0.06Ohm)
Age of Secondary Side ### 12V MOSFETS ### Canyon Canverters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) ### PWM Controller ### 15V MOSFETS ### 15V MOSF	APFC Boost Diode	ROHM SCS306AP (650V, 6A @ 135°C)
Driver IC: Silicon Labs Si8230BD Quasi-Resonant Contoller Infineon 5QR1680AG APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Topology Primary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Filtering Capacitors Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Hold-up Cap	Nippon Chemi-Con (420V, 470uF, 2000h @ 105°C, KMZ)
APFC Controller Champion CM6502UHHX & CM03AX Green PFC controller Champion CM6901X Quasi-Resonant Controller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Main Switchers	
Resonant & PWM Controller Champion CM6901X Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Quasi-Resonant Contoller	Infineon 5QR1680AG
Quasi-Resonant Contoller Infineon 5QR1680AG Primary side: Half-Bridge & LLC Resonant Controller Secondary side: Synchronous Rectification & DC-DC converters Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	APFC Controller	Champion CM6502UHHX & CM03AX Green PFC controller
Primary side: Half-Bridge & LLC Resonant Controller Secondary Side Secondary Side +12V MOSFETS 6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Resonant & PWM Controller	Champion CM6901X
Secondary Side Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Secondary Se	Quasi-Resonant Contoller	Infineon 5QR1680AG
6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm) DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Topology	
DC-DC Converters: 4x Infineon PSMN2R0-30YLE (30V, 100A @ 100°C, 2.8mOhm @ 100°C) PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Secondary Side	
PWM Controller: APW7159C Electrolytics: 1x Nippon Chemi-Con (4-10,000 @ 105°C, KY), 2x Rubycon (3-6,000 @ 105°C, YXG) Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	+12V MOSFETS	6x APower 4N1R8C-A (45V, 32A @ 70C, 1.8mOhm)
Polymers: Nippon Chemi-Con (G61B, G8, G84R, G84G, G85F), 6x Nichicon (LG) Supervisor IC Infinno IN1S429i-SCG Fan Controller PIC16F1824 Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	5V & 3.3V	
Fan Controller PIC16F1824 Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Filtering Capacitors	
Fan Model Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing) 5VSB Circuit Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Supervisor IC	Infinno IN1S429i-SCG
5VSB Circuit Rectifier	Fan Controller	PIC16F1824
Rectifier 1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)	Fan Model	Corsair NR092L (92mm, 12V, 0.22A, 3950 RPM, Rifle Bearing)
	5VSB Circuit	
Step-Down Converter Texas Instruments TPS54231 (3.5V-28V Input, 2A)	Rectifier	1x CSD18534 (60V, 13A @ 25°C, 9.8mOhm)
	Step-Down Converter	Texas Instruments TPS54231 (3.5V-28V Input, 2A)

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RESULTS	
Temperature Range (°C /°F)	30-32 / 86-89.6
Average Efficiency	92.083
Efficiency With 10W (≤500W) or 2% (>500W) Load -115V	54.190
Average Efficiency 5VSB	81.962
Standby Power Consumption (W) -115V	0.0476897
Standby Power Consumption (W) -230V	0.0747045
Average PF	0.950
ErP Lot 3/6 Ready	/
(EU) No 617/2013 Compliance	/
Avg Noise Output	25.45
Efficiency Rating (ETA)	PLATINUM
Noise Rating (LAMBDA)	A-

TEST EQUIPMENT						
Electronic Loads	Chroma 6314A x2 63123A x6 63102A 63101A	Chroma 63601-5 x4 Chroma 63600-2 x2 63640-80-80 x20 63610-80-20 x2				
AC Sources	Chroma 6530, Chroma 61604, Keysight AC6804B					
Power Analyzers	N4L PPA1530 x2, N4L PPA5530					
Oscilloscopes	Picoscope 4444 & 3424, Keysight DSOX3024A, Rigol DS	52072A				
Voltmeter	Keithley 2015 THD 6.5 Digit					
Sound Analyzer	Bruel & Kjaer 2250-L G4					
Microphone	Bruel & Kjaer Type 4955-A, Bruel & Kjaer Type 4189					
Data Loggers	Picoscope TC-08 x2, Labjack U3-HV x2					

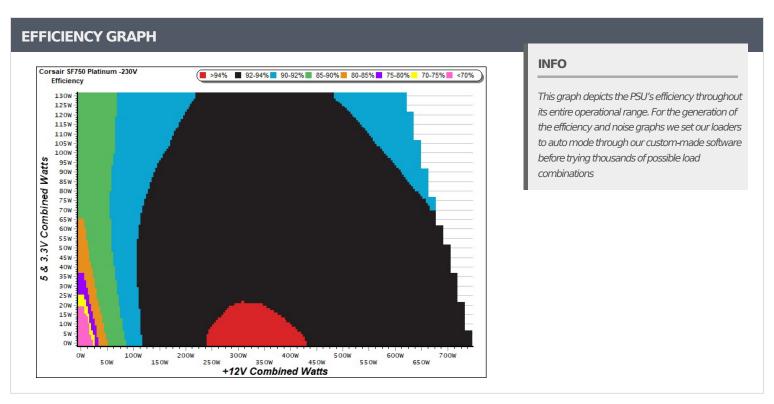
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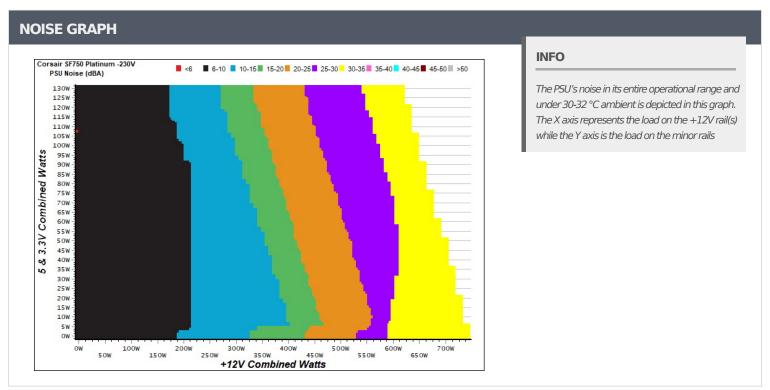
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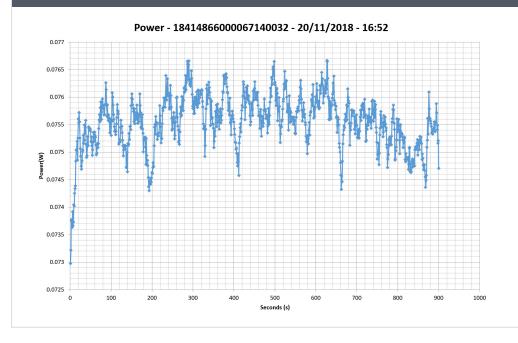
Anex

Corsair SF750 Platinum

5VSB	5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC)								
Test#	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts					
1	0.045A	0.227	GE 4100/	0.049					
1	5.045V	0.347	65.418%	115.06V					
2	0.090A	0.455	70.0720/	0.088					
2	5.044V	0.642	70.872%	115.06V					
2	0.550A	2.772	04.0360/	0.304					
3	5.038V	3.264	84.926%	115.06V					
4	1.000A	5.033	04.6740/	0.387					
4	5.033V	5.944	84.674%	115.06V					
_	1.500A	7.540	02.2700/	0.432					
5	5.026V	9.043	83.379%	115.07V					
	2.500A	12.535	02.4200/	0.472					
6	5.013V	15.023	83.439%	115.06V					

5VSB	5VSB EFFICIENCY -230V (ERP LOT 3/6 & CEC)								
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts					
1	0.045A	0.228	F7.0C00/	0.017					
1	5.045V	0.394	57.868%	230.03V					
2	0.090A	0.455	6F 2000/	0.030					
	5.044V	0.697	65.280%	230.21V					
	0.550A	2.772	02.7460/	0.132					
3	5.038V	3.350	82.746%	230.20V					
4	1.000A	5.033	04.2770/	0.208					
4	5.032V	5.972	84.277%	230.21V					
_	1.500A	7.540	02.0740/	0.269					
5	5.026V	8.979	83.974%	230.21V					
	2.500A	12.534	04.0470/	0.338					
6	5.013V	14.913	84.047%	230.21V					

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

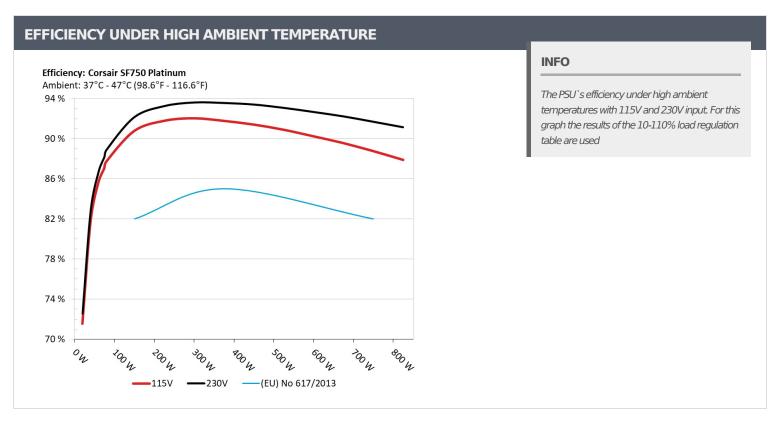
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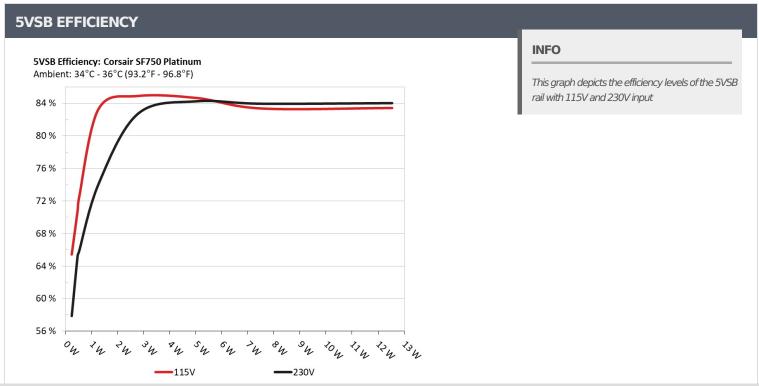
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Anex

Corsair SF750 Platinum





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Anex

Corsair SF750 Platinum

10-110% LOAD TESTS										
Test #	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	Temps (In/Out)	PF/AC Volts
_	4.387A	1.973A	1.962A	0.994A	74.410	00.1000/			39.72°C	0.835
1	12.039V	5.069V	3.361V	5.029V	84.367	88.198%	88.198% 0	<6.0	46.23°C	230.20V
2	9.840A	2.960A	2.946A	1.195A	149.302	02.1520/		-6.0	40.82°C	0.913
2	12.033V	5.067V	3.359V	5.023V	162.015	92.153%	0	<6.0	48.13°C	230.20V
_	15.694A	3.454A	3.422A	1.395A	224.802	02.2640/			41.33°C	0.941
3	12.031V	5.066V	3.358V	5.017V	241.039	93.264%	0	<6.0	50.14°C	230.20V
	21.481A	3.949A	3.932A	1.597A	299.594	02.6250/			41.85°C	0.954
4	12.029V	5.065V	3.356V	5.011V	319.992	93.625%	0	<6.0	51.59°C	230.20V
_	26.935A	4.939A	4.917A	1.798A	374.508	02.5740/	1262	12.0	42.15°C	0.963
5	12.029V	5.064V	3.355V	5.005V	400.226	93.574%	1363	13.2	52.45°C	230.20V
	32.398A	5.926A	5.905A	2.001A	449.388				42.63°C	0.968
6	12.025V	5.062V	3.353V	5.000V	481.037	93.421%	1510	18.1	54.22°C	230.20V
_	37.885A	6.918A	6.891A	2.204A	524.751	02.0000/	1055	246	43.24°C	0.973
7	12.027V	5.061V	3.351V	4.993V	563.703	93.090%	1855	1855 24.6	56.19°C	230.20V
•	43.378A	7.906A	7.883A	2.407A	600.078	00.6770/	25.45	22.0	43.84°C	0.976
8	12.026V	5.060V	3.350V	4.986V	647.495	92.677%	2545	33.8	57.32°C	230.20V
	49.238A	8.404A	8.364A	2.409A	674.601	22.2.424			44.58°C	0.979
9	12.025V	5.058V	3.348V	4.983V	731.343	92.241%	3120	39.3	59.36°C	230.21V
10	55.099A	8.902A	8.875A	2.512A	749.728	01.7070/	2004	42.0	45.63°C	0.981
10	12.024V	5.057V	3.346V	4.978V	817.521	91.707%	3684	43.9	60.84°C	230.19V
11	61.362A	8.902A	8.881A	2.513A	824.964	01.1570/	2005	44.0	46.61°C	0.982
11	12.023V	5.056V	3.344V	4.975V	904.991	91.157%	3885	44.8	62.46°C	230.20V
CI 1	0.142A	16.003A	15.999A	0.000A	136.570	07.0000	1001	21.7	42.78°C	0.911
CL1	12.042V	5.066V	3.362V	5.032V	156.961	87.009%	1631	21.1	52.39°C	230.20V
CI 2	62.513A	1.001A	1.001A	1.000A	765.011	00.1710/	2527	3537 42.4	45.91°C	0.981
CL2	12.023V	5.059V	3.346V	5.003V	829.989	92.171%	353/		60.71°C	230.20V

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Anex

Corsair SF750 Platinum

20-80W LOAD TESTS									
Test#	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Fan Speed (RPM)	PSU Noise (dB[A])	PF/AC Volts
-	1.198A	0.492A	0.476A	0.198A	19.503	72.5500/			0.580
1	12.029V	5.069V	3.361V	5.042V	26.879	72.559%	0	<6.0	230.19V
2	2.461A	0.986A	0.980A	0.397A	39.896	02.0200/			0.729
2	12.029V	5.069V	3.361V	5.038V	48.166	82.830%	0	<6.0	230.20V
2	3.657A	1.478A	1.457A	0.596A	59.386				0.805
3	12.031V	5.069V	3.360V	5.035V	68.529	86.658%	0	<6.0	230.20V
	4.919A	1.973A	1.962A	0.795A	79.806	88.907%		6.0	0.844
4	12.038V	5.068V	3.360V	5.031V	89.763		6 0	<6.0	230.20V

RIPPLE MEASUREMENTS								
Test	12V	5V	3.3V	5VSB	Pass/Fail			
10% Load	12.9 mV	11.0 mV	5.4 mV	6.8 mV	Pass			
20% Load	12.6 mV	11.5 mV	6.4 mV	8.1 mV	Pass			
30% Load	9.4 mV	14.1 mV	8.4 mV	8.7 mV	Pass			
40% Load	11.6 mV	13.2 mV	8.4 mV	9.4 mV	Pass			
50% Load	13.5 mV	15.2 mV	9.6 mV	10.8 mV	Pass			
60% Load	15.7 mV	15.3 mV	10.8 mV	12.6 mV	Pass			
70% Load	18.1 mV	16.5 mV	12.0 mV	14.5 mV	Pass			
80% Load	21.0 mV	18.5 mV	14.4 mV	16.6 mV	Pass			
90% Load	23.1 mV	18.3 mV	14.7 mV	19.1 mV	Pass			
100% Load	30.8 mV	19.2 mV	16.2 mV	20.9 mV	Pass			
110% Load	33.9 mV	20.8 mV	16.9 mV	23.4 mV	Pass			
Crossload 1	18.2 mV	19.3 mV	15.2 mV	16.8 mV	Pass			
Crossload 2	30.4 mV	18.3 mV	11.7 mV	21.7 mV	Pass			

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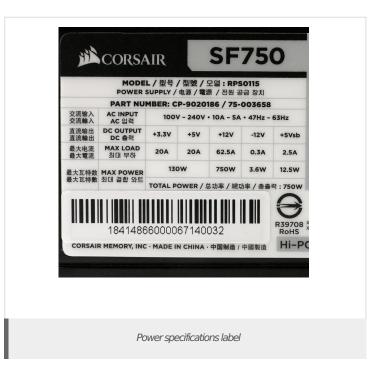
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Anex

Corsair SF750 Platinum

HOLD-UP TIME & POWER OK SIGNAL (230V)	
Hold-Up Time (ms)	11.60
AC Loss to PWR_OK Hold Up Time (ms)	8.80
PWR_OK Inactive to DC Loss Delay (ms)	2.80







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