

SeaSonic Focus Plus Platinum 850W

Lab ID#: 226

Receipt Date: Nov 19, 2018 Test Date: Nov 25, 2018 Report:

Report Date: Nov 28, 2018

N
SeaSonic
Seasonic
FOCUS Plus Platinum
SSR-850PX
R1708AA174090120

DUT SPECIFICATI	ONS
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	12-6
Rated Frequency (Hz)	50-60
Rated Power (W)	850
Туре	ATX12V
Cooling	120mm Fluid Dynamic Bearing Fan (HA1225M12F-Z)
Semi-Passive Operation	✓ (selectable)
Cable Design	Fully Modular

POWER SPECIFICAT	TIONS					
Rail		3.3V	5V	12V	5VSB	-12V
May Dayer	Amps	20	20	70	3	0.3
Max. Power	Watts	100		840	15	3.6
Total Max. Power (W)		850				

CABLES AND CONNECTORS				
Modular Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (610mm)	1	1	18-22AWG	Yes
4+4 pin EPS12V (660mm)	2	2	18AWG	Yes
6+2 pin PCle (680mm+80mm)	3	6	18AWG	Yes
SATA (460mm+115mm+115mm+115mm)	2	8	18AWG	No
SATA (460mm+115mm)	1	2	18AWG	No
4 pin Molex (460mm+120mm+120mm)	1	3	18AWG	No
4 pin Molex (360mm+120mm)	1	2	18AWG	No
FDD Adapter (+105mm)	1	1	22AWG	No
AC Power Cord (1360mm) - C13 coupler	1	1	18AWG	No

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RESULTS	
Temperature Range (°C/°F)	30-32 / 86-89.6 (+-2°C / +- 3.6°F)
ErP Lot 3/6 Ready	/
(EU) No 617/2013 Compliance	✓

115V	
Average Efficiency	90.404%
Efficiency With 10W (≤500W) or 2% (>500W)	0.000
Average Efficiency 5VSB	77.288%
Standby Power Consumption (W)	0.0491633
Average PF	0.984
Avg Noise Output	27.27 dB(A)
Efficiency Rating (ETA)	PLATINUM
Noise Rating (LAMBDA)	A-

TEST EQUIPMENT		
Electronic Loads	Chroma 6314A x2 63123A x6 63102A 63101A	Chroma 63601-5 x2 Chroma 63600-2 63640-80-80 x10 63610-80-20
AC Sources	Chroma 6530, Chroma 61604	
Power Analyzers	N4L PPA1530, 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	

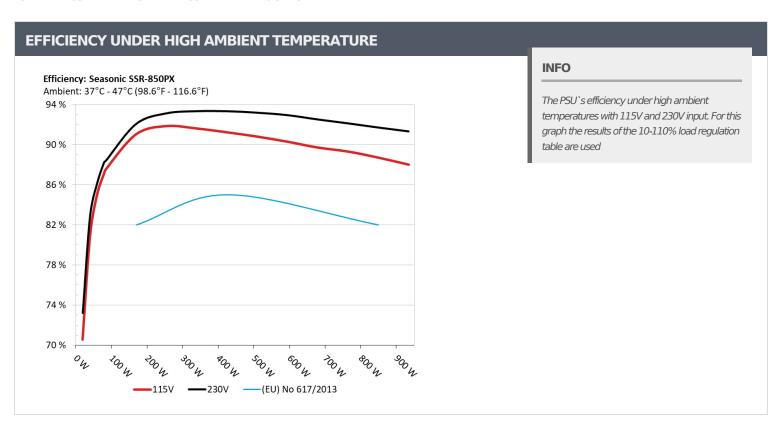
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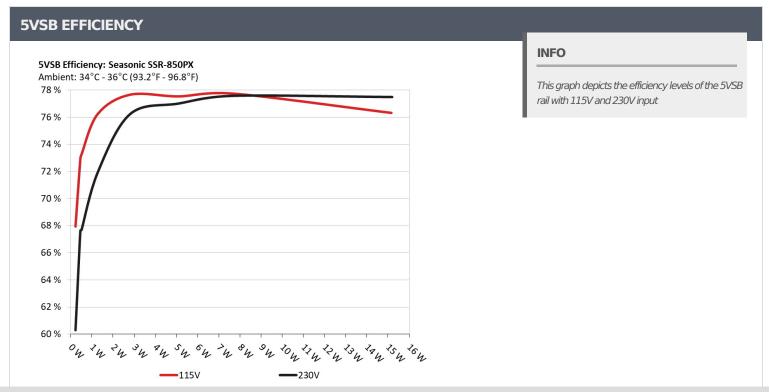
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5VSB EFFICIEN	CY -115V (ERP LOT	3/6 & CEC)		
Test#	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231		0.032
1	5.130V	0.340	67.941%	115.26V
2	0.090A	0.461		0.059
2	5.129V	0.632	72.943%	115.27V
2	0.550A	2.815	77.6770/	0.265
3	5.118V	3.624	77.677%	115.26V
	1.000A	5.108	77.5470/	0.361
4	5.108V	6.587	77.547%	115.25V
-	1.500A	7.646	77.7500/	0.412
5	5.098V	9.833	77.759%	115.25V
	3.000A	15.157	76 2210/	0.478
6	5.053V	19.857	76.331%	115.24V

5VSB EFFICIENCY -230V (ERP LOT 3/6 & CEC)				
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.231	CO 2120/	0.013
1	5.131V	0.383	60.313%	230.72V
2	0.090A	0.462	67.64207	0.022
2	5.129V	0.683	67.643%	230.72V
	0.550A	2.815	76 2050/	0.113
3	5.118V	3.693	76.225%	230.71V
	1.000A	5.108	76,0070/	0.186
4	5.108V	6.634	76.997%	230.72V
_	1.500A	7.646	77 5010/	0.246
5	5.097V	9.858	77.561%	230.71V
	2.999A	15.189	77.4750/	0.346
6	5.064V	19.605	77.475%	230.70V

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115V

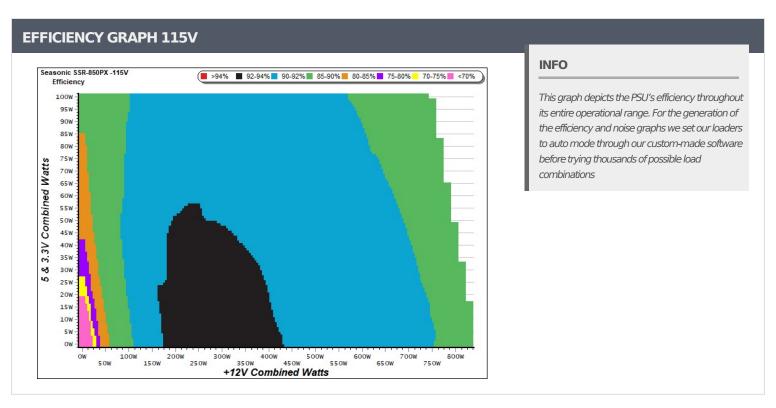
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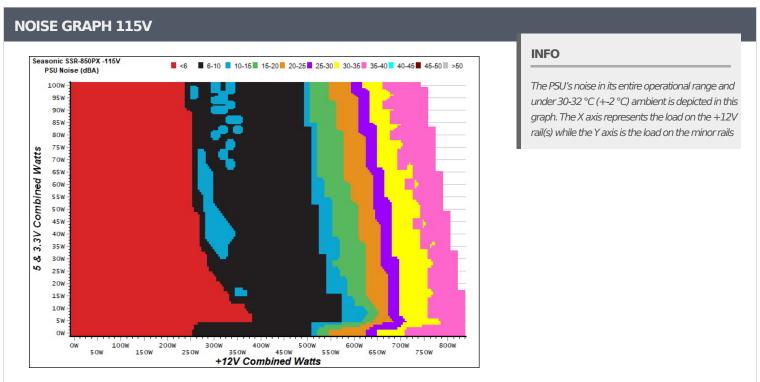
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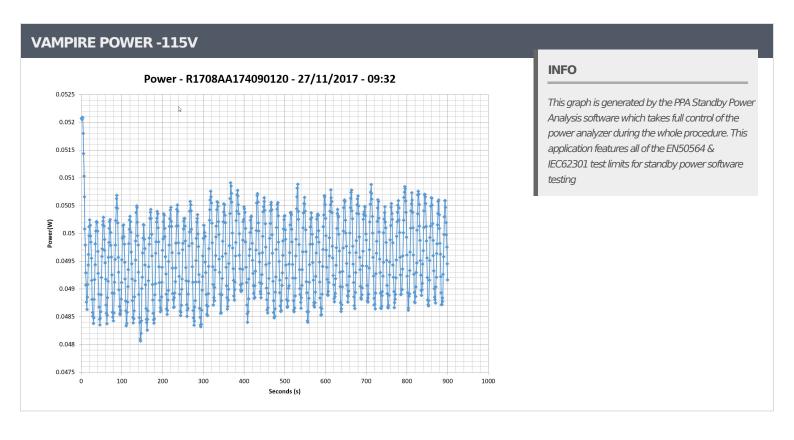
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COMMISSION REGULATION (EU) NO 617/2013 TESTING 115V

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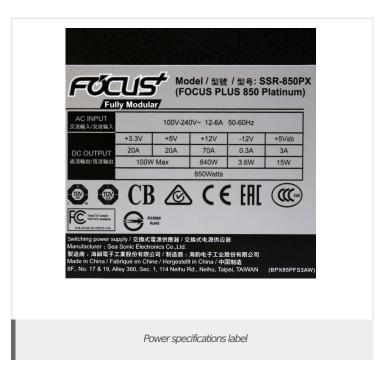
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Top side

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CERTIFICATIONS 115V







Aris Mpitsiopoulos

Lab Director

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