

SeaSonic Prime Titanium 750W

Lab ID#: 48

Receipt Date: Jan 5, 2018 Test Date: Jan 18, 2018 Report:

Report Date: Jan 22, 2018

DUT INFORMATION			
Brand	SeaSonic		
Manufacturer (OEM)	Seasonic		
Series	Prime Titanium		
Model Number	SSR-750TD		
Serial Number	R1606TA106430003		
DUT Notes	Retested on 4/7/17		

DUT SPECIFICATIONS				
Rated Voltage (Vrms)	100-240			
Rated Current (Arms)	9.5-4.5			
Rated Frequency (Hz)	50-60			
Rated Power (W)	750			
Туре	ATX12V			
Cooling	135mm Fluid Dynamic Bearing Fan (HA13525M12F-Z)			
Semi-Passive Operation	✓ (selectable)			
Cable Design	Fully Modular			

POWER SPECIFICATIONS						
Rail		3.3V	5V	12V	5VSB	-12V
Mary Davies	Amps	20	20	62	3	0.3
Max. Power	Watts	100		744	15	3.6
Total Max. Power (W)		750				

CABLES AND CONNECTORS				
Modular Cables				
Description	Cable Count	Connector Count (Total)	Gauge	
ATX connector 20+4 pin (620mm)	1	1	18-22AWG	
4+4 pin EPS12V (650mm)	2	2	18AWG	
6+2 pin PCle (680mm+80mm)	4	4	18AWG	
SATA (450mm+110mm+110mm+110mm)	2	8	18AWG	
SATA (350mm+110mm)	1	2	18AWG	
4 pin Molex (350mm+120mm)	1	2	18AWG	
4 pin Molex (450mm+120mm+120mm)	1	3	18AWG	
FDD Adapter (+110mm)	1	1	22AWG	

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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	92.387%
Efficiency With 10W (≤500W) or 2% (>500W)	0.000
Average Efficiency 5VSB	79.430%
Standby Power Consumption (W)	0.0575952
Average PF	0.989
Avg Noise Output	16.89 dB(A)
Efficiency Rating (ETA)	TITANIUM
Noise Rating (LAMBDA)	A+

230V	
Average Efficiency	94.199%
Average Efficiency 5VSB	77.401%
Standby Power Consumption (W)	0.0995988
Average PF	0.945
Avg Noise Output	16.59 dB(A)
Efficiency Rating (ETA)	TITANIUM
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 DS2072A			
Voltmeter	Keithley 2015 THD 6.5 Digit			
Sound Analyzer	Bruel & Kjaer 2250-L G4			
Microphone	Bruel & Kjaer Type 4189			
Data Loggers	Picoscope TC-08 x2, Labjack U3-HV x2			

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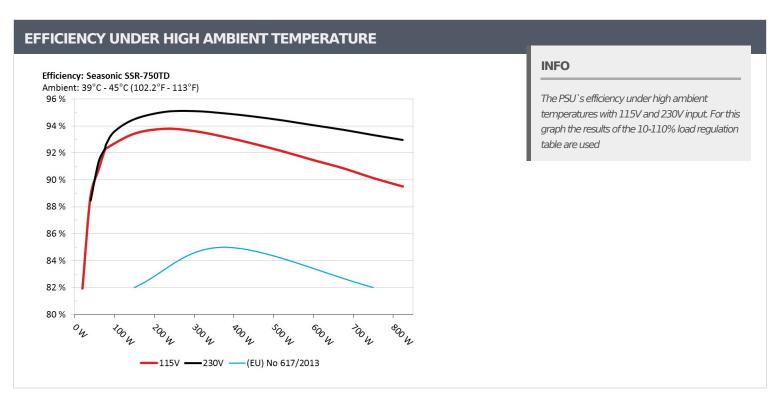
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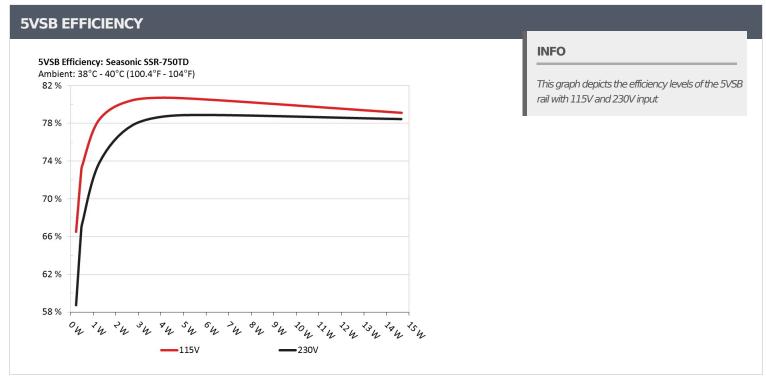
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5VSB EFFICIENCY -115V (ERP LOT 3/6 & CEC)				
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.047A	0.236	66.479%	0.040
	5.013V	0.355		115.10V
_	0.092A	0.461	72.828%	0.070
2	5.011V	0.633		115.10V
3	0.552A	2.756	00.4440/	0.273
	4.992V	3.426	80.444%	115.09V
4	3.002A	14.680	79.039%	0.476
	4.890V	18.573		115.08V

5VSB EFFI	5VSB EFFICIENCY -230V (ERP LOT 3/6 & CEC)				
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts	
1	0.047A	0.236	F0.7000/	0.014	
	5.013V	0.402	58.706%	230.24V	
2	0.092A	0.461	CC C100/	0.024	
	5.011V	0.692	66.618%	230.23V	
3	0.552A	2.754	77.0100/	0.112	
	4.990V	3.539	77.819%	230.24V	
4	3.002A	14.659	70.4450/	0.335	
	4.883V	18.687	78.445%	230.24V	

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115V

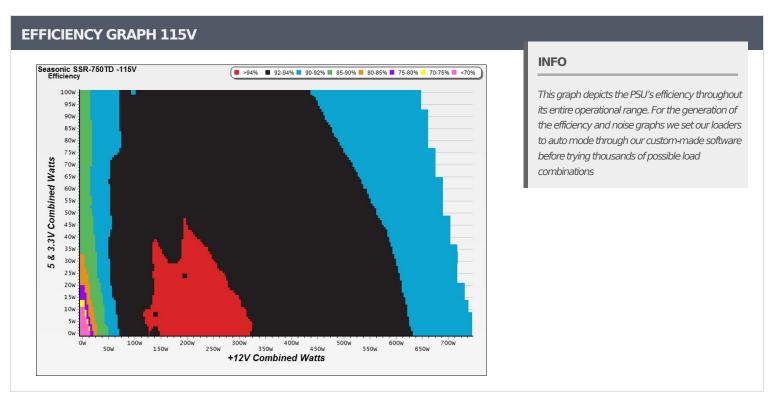
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NOISE GRAPH 115V INFO Seasonic SSR-750TD -115V Fan Noise (dBA) (<17 17-25 25-28 28-31 31-34 34-37 37-40 40-43 43-46 46-49 >49 The PSU's noise in its entire operational range and 100W under 30-32 °C (+-2 °C) ambient is depicted in this 90W graph. The X axis represents the load on the +12V85W rail(s) while the Y axis is the load on the minor rails 80W 3.3V Combined Watts 70W 65W 60W 55W 5 OW 45W 40W 35W 30W જ 25W 20W 15W 10W 5W 200W 300W 400W 500W 600W 700W 150W 250W 350W 450W 550W 650W +12V Combined Watts

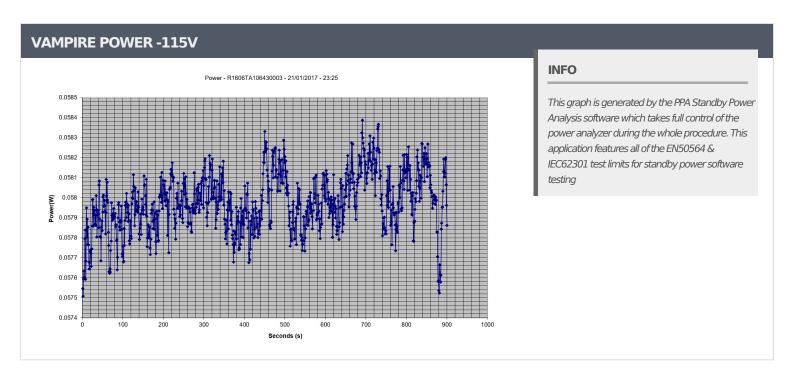
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COMMISSION REGULATION (EU) NO 617/2013 TESTING 115V

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230V

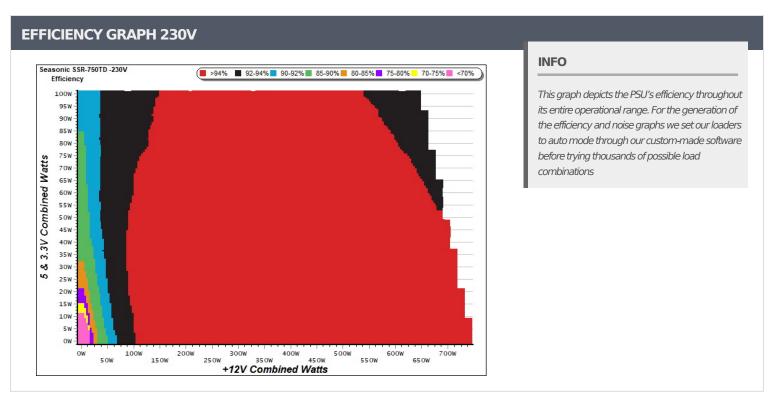
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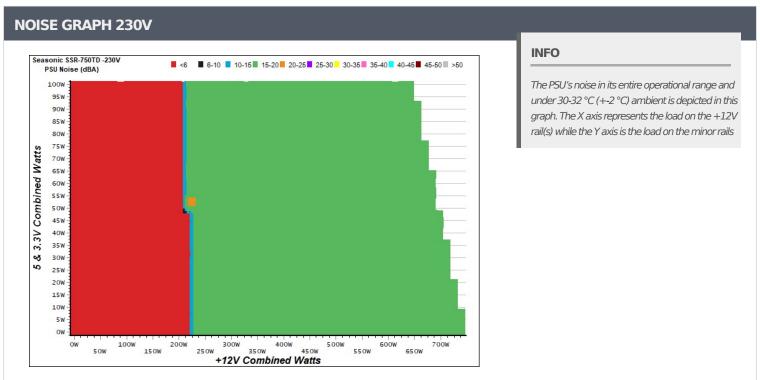
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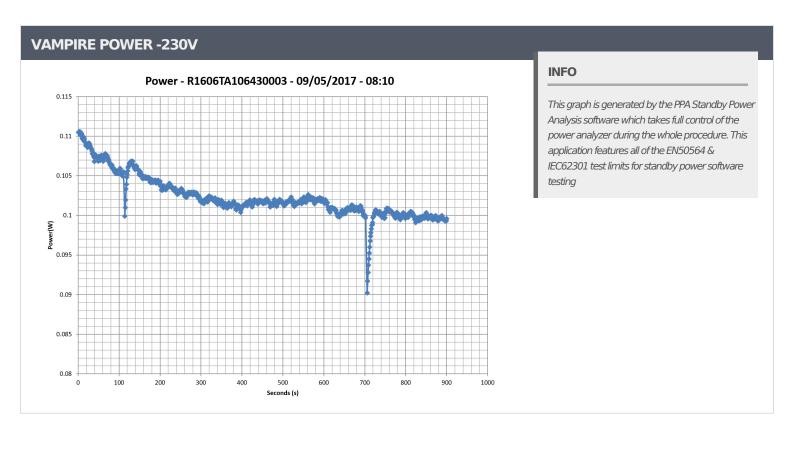
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CERTIFICATIONS 115V







Aris Mpitsiopoulos

Lab Director

CERTIFICATIONS 230V





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