

### Seasonic Prime Fanless TX-700 (#2)

Lab ID#: SS70001926

Receipt Date: Oct 8, 2021

Test Date: Oct 27, 2021

Report: 21PS1926A

Report Date: Oct 27, 2021

DUT INFORMATION	
Brand	Seasonic
Manufacturer (OEM)	Seasonic
Series	Prime TX Fanless
Model Number	SSR-700TL
Serial Number	
DUT Notes	

DUT SPECIFICATIONS	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	9.5-4.5
Rated Frequency (Hz)	50-60
Rated Power (W)	700
Туре	ATX12V
Cooling	-
Semi-Passive Operation	Х
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 (+-2°C / +- 3.6°F)
ErP Lot 3/6 Ready	✓
(EU) No 617/2013 Compliance	/

115V	
Average Efficiency	91.974%
Efficiency With 10W (≤500W) or 2% (>500W)	72.508
Average Efficiency 5VSB	80.748%
Standby Power Consumption (W)	0.0564119
Average PF	0.989
Avg Noise Output	- dB(A)
Efficiency Rating (ETA)	TITANIUM
Noise Rating (LAMBDA)	A++

230V	
Average Efficiency	93.511%
Average Efficiency 5VSB	80.232%
Standby Power Consumption (W)	0.0978163
Average PF	0.943
Avg Noise Output	- dB(A)
Efficiency Rating (ETA)	TITANIUM
Noise Rating (LAMBDA)	A++

POWER SPECIFICATIONS							
Rail		3.3V	5V	12V	5VSB	-12V	
Max. Power	Amps	20	20	58	2.5	0.3	
	Watts	100		696	12.5	3.6	
Total Max. Power (W)		700					

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### Seasonic Prime Fanless TX-700 (#2)

### **CABLES AND CONNECTORS** Modular Cables Cable Count Description Connector Count (Total) Gauge In Cable Capacitors 1 1 18-22AWG ATX connector 20+4 pin (620mm) Yes 2 2 4+4 pin EPS12V (660mm) 18AWG No 6+2 pin PCle (760mm) 4 4 18AWG No SATA (410mm+150mm+150mm+150mm) 1 4 18AWG No SATA (450mm+120mm+120mm+120mm) 1 4 18AWG No SATA (300mm+160mm) 1 2 18AWG No 4 pin Molex (450mm+125mm+125mm) 1 3 18AWG No 1 2 18AWG 4 pin Molex (360mm+125mm) No 4 pin Molex to SATA 3.3 Adapter (150mm+150mm) 1 2 18AWG No AC Power Cord (1420mm) - C13 coupler 1 1 16AWG

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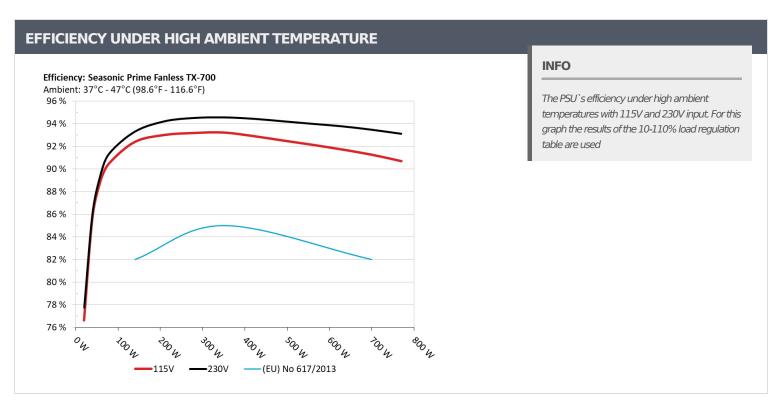
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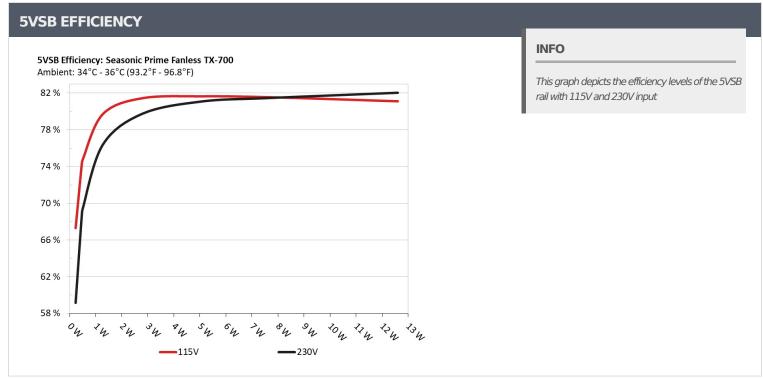
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5VSB EFFICIENC	CY -115V (ERP LOT	3/6 & CEC)		
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.23W	C7 2000/	0.033
1	5.103V	0.342W	67.286%	115.17V
2	0.09A	0.459W	74.0400/	0.059
2	5.101V	0.62W	74.048%	115.17V
2	0.55A	2.8W	01.400/	0.257
3	5.09V	3.437W	81.46%	115.17V
4	1A	5.079W	01.660/	0.355
4	5.078V	6.22W	81.66%	115.17V
-	1.5A	7.599W	01 5000/	0.412
5	5.065V	9.316W	81.566%	115.17V
	2.501A	12.602W	01.1100/	0.468
6	5.04V	15.535W	81.118%	115.16V

Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
-	0.045A	0.23W	50.1440/	0.011
1	5.103V	0.389W	59.144%	230.36V
2	0.09A	0.459W	CD 2C00/	0.02
2	5.101V	0.671W	68.369%	230.36V
	0.55A	2.8W	70.7500/	0.098
3	5.089V	3.511W	79.758%	230.36V
4	1A	5.079W	01 0070/	0.163
4	5.078V	6.264W	81.087%	230.36V
-	1.5A	7.599W	01.4570/	0.221
5	5.065V	9.329W	81.457%	230.36V
•	2.501A	12.6W	02.0350/	0.299
6	5.039V	15.359W	82.035%	230.36V

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Seasonic Prime Fanless TX-700 (#2)

# 115V

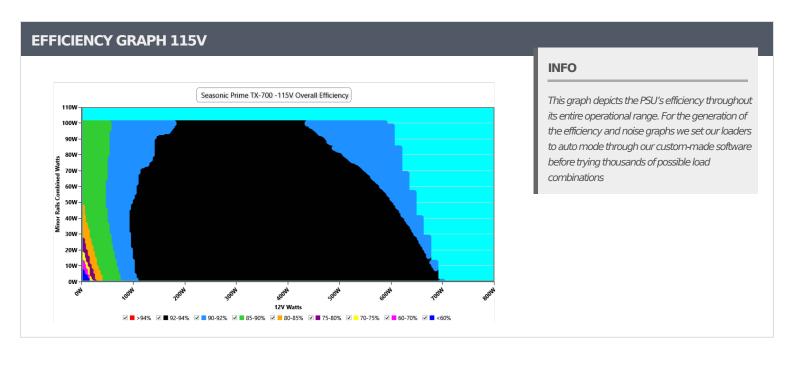
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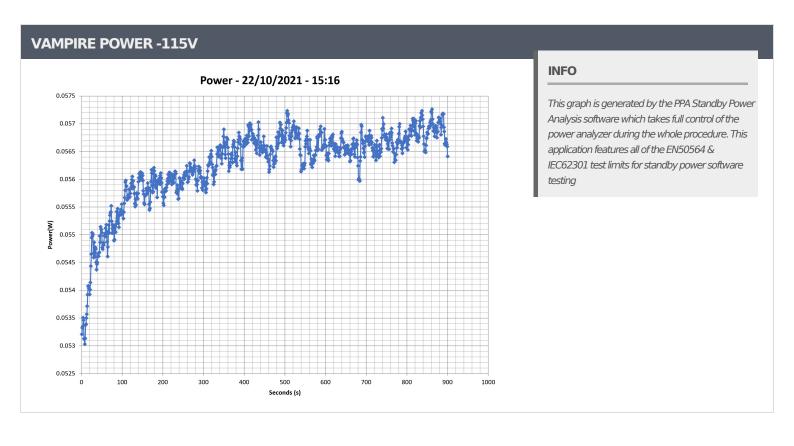
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### Seasonic Prime Fanless TX-700 (#2)

СОМИ	COMMISSION REGULATION (EU) NO 617/2013 TESTING 115V								
Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Temps (In/Out)	PF/AC Volts	
100/	3.976A	1.968A	1.966A	1.005A	69.999	00.10/	46.22°C	0.955	
10%	12.174V	5.083V	3.357V	4.977V	78.562	89.1%	40.84°C	115.15V	
200/	8.951A	2.956A	2.955A	1.21A	139.946	92.382%	46.84°C	0.982	
20%	12.183V	5.075V	3.35V	4.962V	151.486		41.16°C	115.16V	
F00/	24.595A	4.948A	4.957A	1.831A	349.999	02.2110/	49.58°C	0.997	
50%	12.177V	5.054V	3.329V	4.916V	375.492	93.211%	42.3°C	115.16V	
1000/	50.405A	8.985A	9.041A	2.584A	700.314	07.0440/	56.31°C	0.997	
100%	12.163V	5.009V	3.285V	4.838V	767.516	91.244%	45.72°C	115.18V	

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Seasonic Prime Fanless TX-700 (#2)

# 230V

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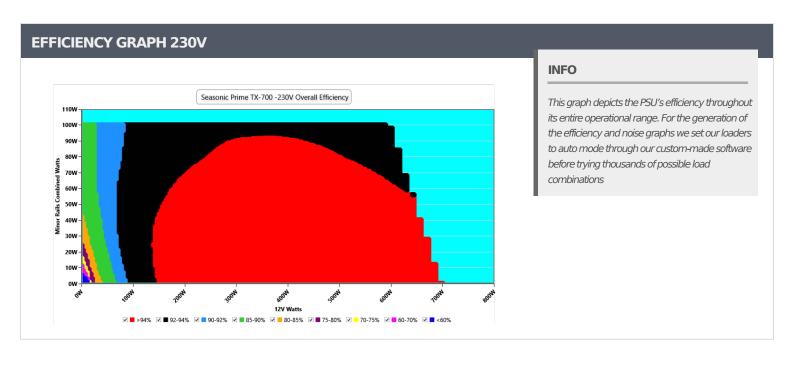
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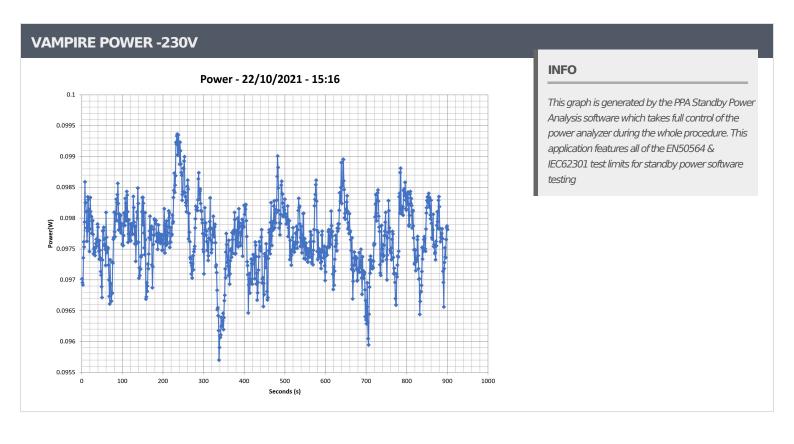
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### Seasonic Prime Fanless TX-700 (#2)

COMMISSION REGULATION (EU) NO 617/2013 TESTING 230V								
Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Temps (In/Out)	PF/AC Volts
100/	3.976A	1.968A	1.966A	1.005A	70.002	89.725%	45.62°C	0.748
10%	12.171V	5.082V	3.357V	4.975V	78.018		40.74°C	230.4V
200/	8.954A	2.957A	2.957A	1.21A	139.952	93.323%	46.28°C	0.887
20%	12.179V	5.073V	3.348V	4.96V	149.965		40.93°C	230.39V
F00/	24.600A	4.952A	4.963A	1.832A	349.986	04.500/	49.75°C	0.97
50%	12.174V	5.05V	3.325V	4.913V	370.041	94.58%	42.56°C	230.41V
1000/	50.408A	8.989A	9.05A	2.585A	700.244	00.4000/	56.41°C	0.988
100%	12.162V	5.006V	3.281V	93.486% 3.281V 4.835V 749.036	93.486%	45.71°C	230.43V	

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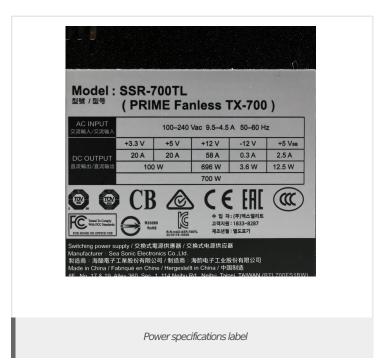
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### **CERTIFICATIONS 115V**







Aris Mpitsiopoulos

Lab Director

### **CERTIFICATIONS 230V**





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