

Anex SilverStone FX600-PT

Lab ID#: SL60001921

Receipt Date: Sep 17, 2021

Test Date: Oct 15, 2021

Report: 21PS1921A

Report Date: Oct 15, 2021

DUT INFORMATION	
Brand	SilverStone
Manufacturer (OEM)	Enhance Electronics
Series	
Model Number	SST-FX0600FCPT-A
Serial Number	
DUT Notes	

DUT SPECIFICATION	NS
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	8-4
Rated Frequency (Hz)	60-50
Rated Power (W)	600
Туре	FLEX ATX
Cooling	40mm Sleeve Bearing Fan (D12BM-12C)
Semi-Passive Operation	Х
Cable Design	Fixed cables

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
ErP Lot 3/6 Ready	/
(EU) No 617/2013 Compliance	/

115V	
Average Efficiency	90.864%
Efficiency With 10W (≤500W) or 2% (>500W)	63.637
Average Efficiency 5VSB	81.542%
Standby Power Consumption (W)	0.0425591
Average PF	0.988
Avg Noise Output	- dB(A)
Efficiency Rating (ETA)	PLATINUM
Noise Rating (LAMBDA)	None

POWER SPECIFICA	TIONS					
Rail		3.3V	5V	12V	5VSB	-12V
May Dawer	Amps	15	15	50	2.5	0.3
Max. Power	Watts	80		600	12.5	3.6
Total Max. Power (W)		600				

HOLD-UP TIME & POWER OK SIGNAL (230V)	
Hold-Up Time (ms)	7.9
AC Loss to PWR_OK Hold Up Time (ms)	10.6
PWR_OK Inactive to DC Loss Delay (ms)	-2.7

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CABLES AND CONNECTORS				
Captive Cables				
Description	Cable Count	Connector Count (Total)	Gauge	In Cable Capacitors
ATX connector 20+4 pin (370mm)	1	1	18-22AWG	No
8 pin EPS12V (370mm) / 4+4 pin EPS12V (+150mm)	1	1/1	18AWG	No
6+2 pin PCle (370mm+150mm)	1	2	18AWG	No
SATA (300mm+150mm)	2	4	18AWG	No
4-pin Molex (300mm+150mm+150mm) / FDD (+150mm)	1	3/1	18-22AWG	No

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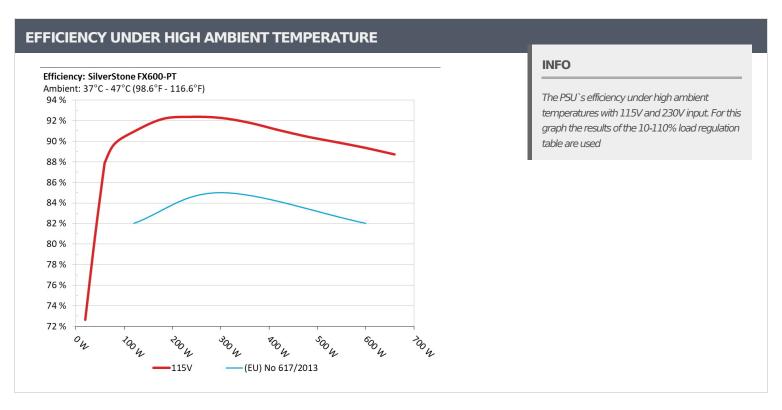
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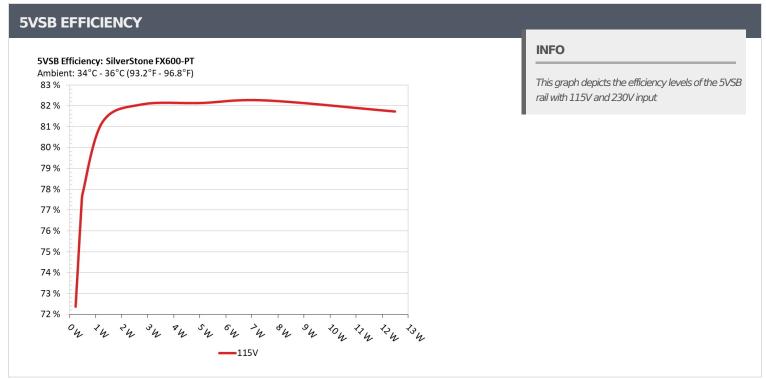
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5VSB EFFICIE	NCY -115V (ERP	P LOT 3/6 & CEC)		
Test #	5VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	0.045A	0.227W	72.270/	0.025
1	5.041V	0.314W	72.37%	115.18V
2	0.09A	0.453W	77.2400/	0.047
2	5.039V	0.586W	77.249%	115.18V
2	0.55A	2.767W	02.0000/	0.214
3	5.031V	3.372W	82.068%	115.19V
4	1A	5.024W	02.1369/	0.295
4	5.024V	6.116W	82.136%	115.19V
	1.5A	7.524W	02.25%	0.341
5	5.016V	9.146W	82.26%	115.19V
	2.5A	12.489W	01 720/	0.387
6	4.996V	15.28W	81.73%	115.19V

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

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115V

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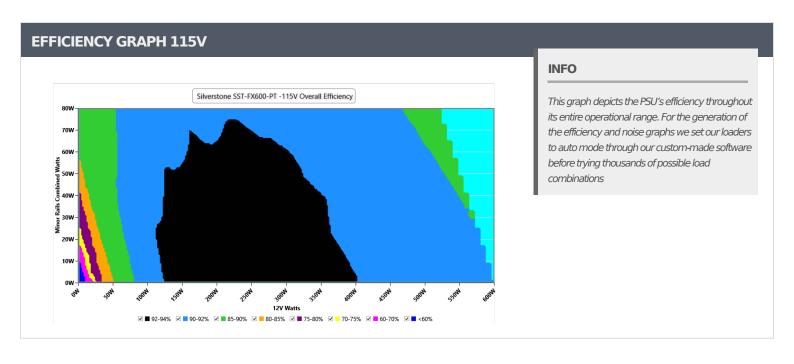
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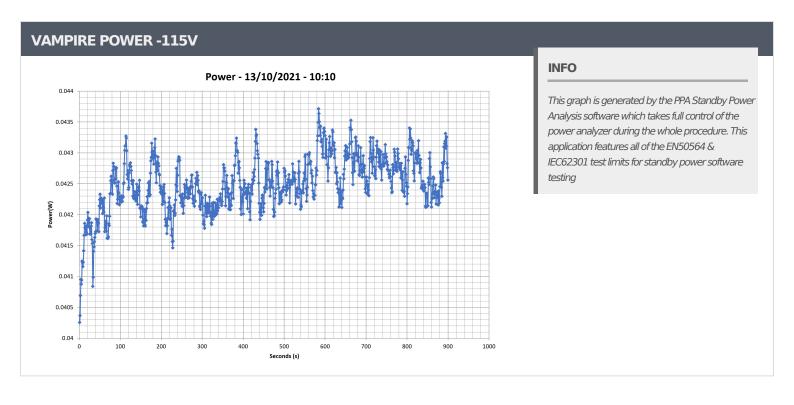
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Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Temps (In/Out)	PF/AC Volts
ıcsı	3.190A	1.99A	1.995A	0.996A	59.989	Lincicity	45.17°C	0.94
10%	12.033V	5.026V	3.308V	5.018V	69.001	86.939%	40.41°C	115.17V
	7.400A	2.99A	3A	1.198A	119.917		46.27°C	0.98
20%	12.029V	5.016V	3.299V	5.007V	131.872	90.934%	40.86°C	115.17V
	11.967A	3.494A	3.509A	1.401A	179.947		47.57°C	0.99
30%	12.024V	5.009V	3.292V	4.997V	195.206	92.183%	41.58°C	115.17V
	16.536A	3.999A	4.02A	1.604A	239.982		48.13°C	0.994
40%	12.021V	5.001V	3.284V	4.987V	259.762	92.386%	41.71°C	115.16V
	20.758A	5.009A	5.039A	1.809A	299.931		49.71°C	0.996
50%	12.016V	4.992V	3.274V	4.975V	324.993	92.288%	42.71°C	115.16V
	24.986A	6.022A	6.065A	2A	359.886		50.96°C	0.997
60%	12.013V	4.982V	3.265V	4.963V	391.985	91.811%	43.23°C	115.16V
	29.183A	7.045A	7.099A	2.222A	419.372		52.32°C	0.998
70%	12.003V	4.969V	3.254V	4.949V	460.307	91.107%	43.95°C	115.16V
	33.474A	8.002A	8.136A	2.328A	479.04		53.93°C	0.998
80%	11.994V	4.958V	3.244V	4.938V	529.555	90.461%	44.92°C	115.16V
	38.098A	8.588A	8.651A	2.434A	539.159		55.31°C	0.999
90%	11.987V	4.948V	3.235V	4.928V	599.559	89.926%	45.52°C	115.15V
	42.796A	9.109A	9.201A	2.54A	599.796		56.11°C	0.999
100%	11.978V	4.939V	3.227V	4.919V	671.154	89.368%	45.86°C	115.14V
	47.106A	10.144A	10.349A	2.546A	659.659		57.74°C	0.999
110%	11.971V	4.928V	3.216V	4.908V	743.426	88.732%	46.77°C	115.14V
	0.114A	9.62A	9.675A	0.001A	81.263		49.87°C	0.963
CL1	12.030V	4.999V	3.286V	5.014V	93.12	87.267%	42.85°C	115.17V
	0.114A	14.981A	0A	0.001A	76.379		51.79°C	0.96
CL2	12.035V	5.006V	3.296V	5.025V	88.349	86.452%	43.29°C	115.17V
	0.114A	0A	15.017A	0A	50.866		53.21°C	0.929
CL3	12.033V	5.024V	3.296V	5.021V	61.663	82.491%	44.01°C	115.17V
	49.996A	0.003A	0.004A	0.006A	599.865		56.27°C	0.999
CL4	11.997V	4.978V	3.259V	4.982V	665.691	90.112%	45.97°C	115.14V

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20-8	0W LOAD	TESTS 115	V					
Test	12V	5V	3.3V	5VSB	DC/AC (Watts)	Efficiency	Temps (In/Out)	PF/AC Volts
20144	1.233A	0.496A	0.497A	0.198A	19.99	70.6450/	39.84°C	0.708
20W	12.033V	5.038V	3.319V	5.039V	27.52	72.645%	37.4°C	115.18V
40144	2.716A	0.695A	0.697A	0.298A	39.989	00.6700/	41.44°C	0.9
40W	12.032V	5.035V	3.316V	5.035V	49.566	80.678%	38.35°C	115.18V
COM	4.200A	0.895A	0.897A	0.398A	59.988	07.0040/	42.82°C	0.939
60W	12.030V	5.028V	3.311V	5.028V	68.25	87.894%	39.14°C	115.17V
00147	5.677A	1.094A	1.097A	0.497A	79.93	00.73.40/	43.87°C	0.961
80W	12.032V	5.027V	3.309V	5.025V	89.084	89.724%	39.78°C	115.17V

Test	12V	5V	3.3V	5VSB	Pass/Fai
10% Load	24.12mV	18.75mV	23.81mV	32.03mV	Pass
20% Load	13.21mV	23.22mV	28.92mV	36.74mV	Pass
30% Load	15.74mV	25.00mV	32.56mV	40.63mV	Pass
40% Load	17.67mV	28.15mV	36.00mV	44.22mV	Pass
50% Load	19.85mV	31.30mV	39.69mV	46.86mV	Pass
60% Load	21.82mV	34.81mV	43.83mV	50.35mV	Fail
70% Load	25.67mV	40.96mV	51.37mV	56.57mV	Fail
80% Load	26.78mV	43.55mV	52.48mV	60.42mV	Fail
90% Load	28.10mV	45.79mV	56.27mV	64.51mV	Fail
100% Load	34.16mV	52.46mV	62.28mV	69.28mV	Fail
110% Load	36.63mV	57.57mV	65.27mV	73.15mV	Fail
Crossload1	19.89mV	27.28mV	30.63mV	19.11mV	Pass
Crossload2	12.96mV	26.88mV	23.36mV	17.81mV	Pass
Crossload3	23.21mV	18.19mV	31.50mV	16.09mV	Pass
Crossload4	32.69mV	45.42mV	51.09mV	47.72mV	Fail

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CERTIFICATIONS 115V



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