

## 80 PLUS Verification and Testing Report

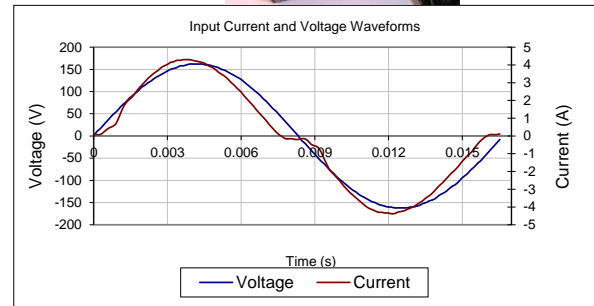
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.20%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.37%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	4645
<b>Manufacturer</b>	SAMA
<b>Model Number</b>	FTX-600-8
<b>Serial Number</b>	NA
<b>Year</b>	2016
<b>Type</b>	ATX12V
<b>Test Date</b>	7/26/16

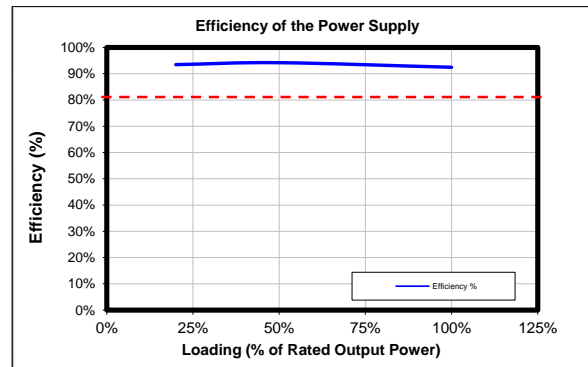
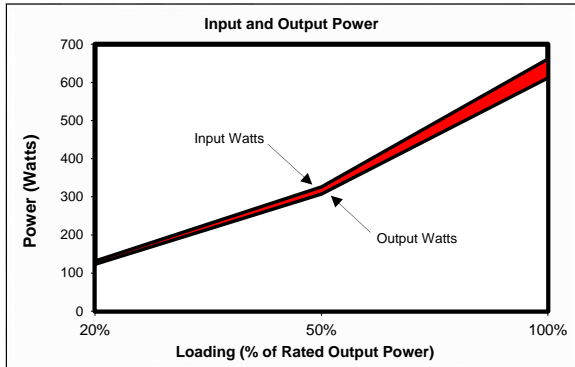
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-4	Amps
Input Frequency	63-47	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 15.48%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb		
0.62	0.95	24.40%	10%	67.46	12.3/4.43	11.87/0.01	3.35/0.71	5.07/0.71	5.06/0.17	61.41	91.03%
1.18	0.97	20.15%	20%	131.80	12.29/8.88	11.87/0.03	3.35/1.42	5.06/1.42	5.06/0.35	123.18	93.46%
2.88	0.98	15.48%	50%	326.00	12.28/22.17	11.87/0.07	3.34/3.54	5.06/3.51	5.04/0.86	307.11	94.20%
5.80	0.99	9.62%	100%	661.30	12.27/44.18	11.88/0.14	3.33/7.08	5.05/7.03	5.02/1.73	611.41	92.46%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications.  
<http://www.80plus.org/>

