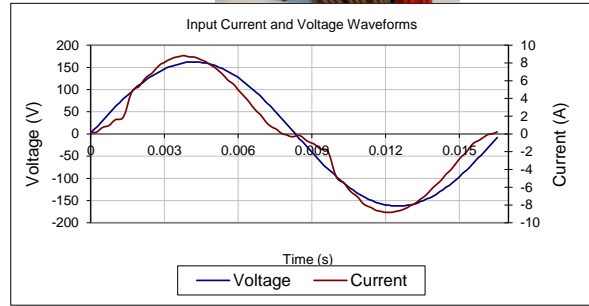


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.50%
AVERAGE EFFICIENCY :	92.24%
80 PLUS COMPLIANT:	YES



Ecos ID #	4644
Manufacturer	SAMA
Model Number	FTX-1200-A
Serial Number	NA
Year	2016
Type	ATX12V
Test Date	7/26/16

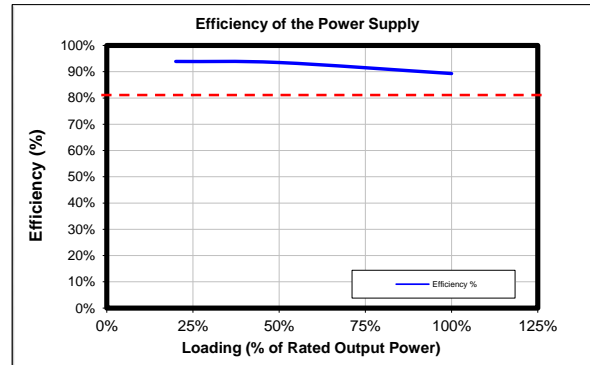
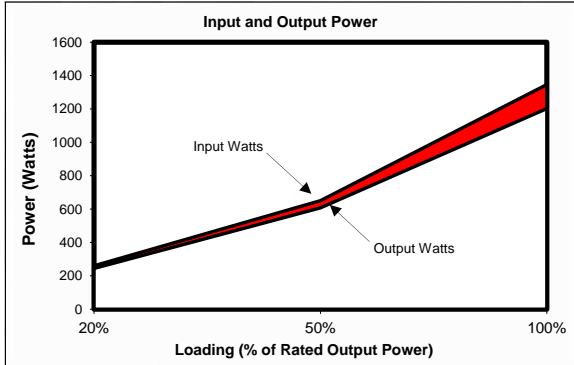


Input AC Current Waveform (ITHD = 17.96%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15-6	Amps
Input Frequency	63-47	Hz
Rated Output Power	1200	Watts

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

I _{RMS} A	PF	I _{THD} (%)	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
1.21	0.94	31.00%	10%	131.56	12.07/9.13	11.97/0.03	3.34/1.1	5.05/1.1	5.05/0.23	120.95	91.94%
2.32	0.97	24.83%	20%	260.00	12.17/18.3	11.93/0.05	3.34/2.21	5.07/2.2	5.07/0.46	244.15	93.91%
5.76	0.98	17.96%	50%	650.40	12.13/45.72	11.91/0.14	3.33/5.51	5.07/5.47	5.04/1.14	608.15	93.50%
11.81	0.99	11.22%	100%	1346.50	12.07/90.91	10.02/0.27	3.32/11	5.05/10.94	5/2.29	1202.58	89.31%



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/>

