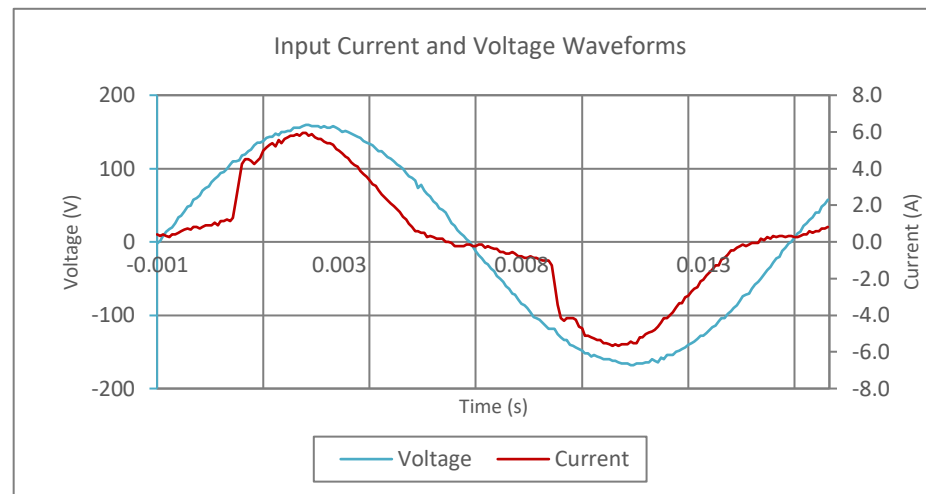


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.39%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>91.32%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	6782
<b>Manufacturer</b>	ApextechUSA LLC.
<b>Model Number</b>	SFX-650
<b>Serial Number</b>	N/A
<b>Year</b>	2022
<b>Type</b>	SFX
<b>Test Date</b>	2/18/22

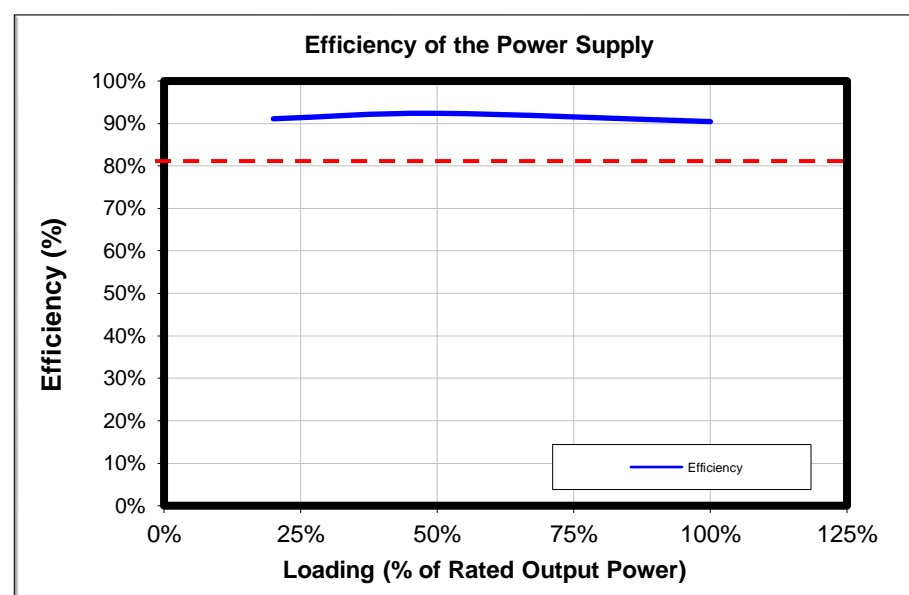
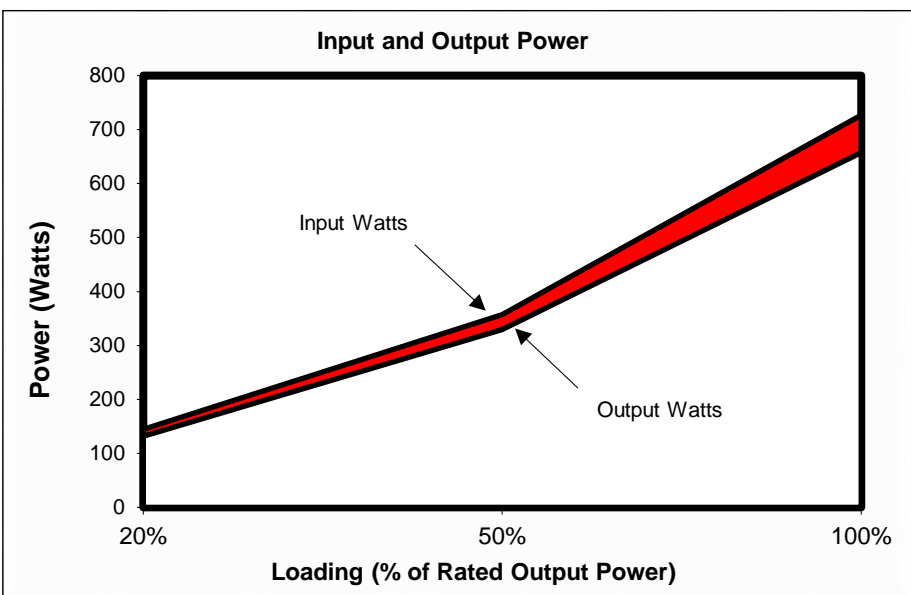


Input AC Current Waveform (ITHD = 33.99%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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

I <sub>RMS</sub>	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		
0.68	0.97	24.54%	10%	76.31	12.17/4.63	12.11/0.03	3.34/1.07	5.08/1	5.04/0.17	66.23	86.78%
1.35	0.93	35.52%	20%	145.00	12.18/9.24	12.12/0.05	3.33/2.14	5.08/2	5.03/0.34	132.11	91.11%
3.31	0.94	33.99%	50%	356.90	12.14/23.14	12.11/0.13	3.33/5.34	5.07/4.96	5.01/0.85	329.76	92.39%
6.80	0.93	32.56%	100%	726.70	12.12/46.16	12.13/0.26	3.33/10.7	5.07/9.92	4.96/1.71	657.28	90.45%



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/>