

80 PLUS Verification and Testing Report

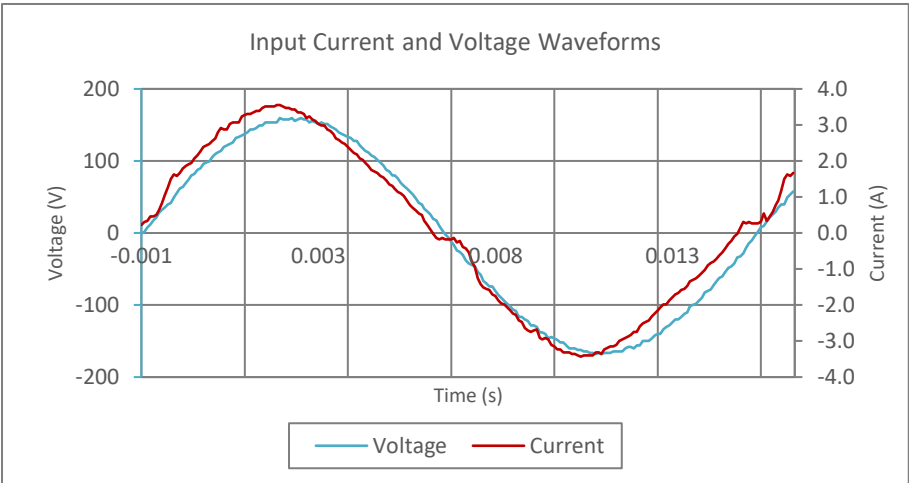
TYPICAL EFFICIENCY (50% Load):	86.73%
AVERAGE EFFICIENCY :	84.67%
80 PLUS COMPLIANT:	YES



ID Number	6561.1
Manufacturer	Chieftec
Model Number	BFX-450BS
Serial Number	N/A
Year	2021
Type	SFX
Test Date	4/22/21

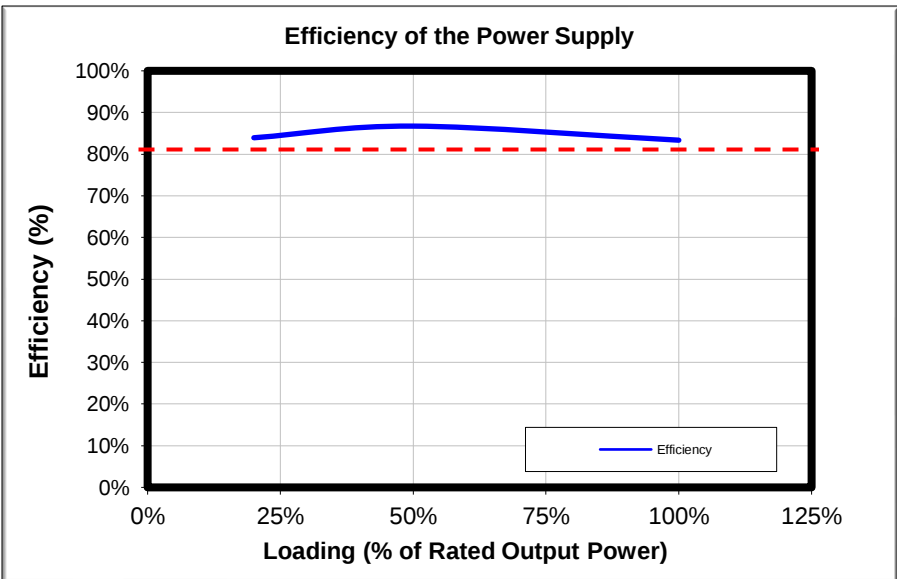
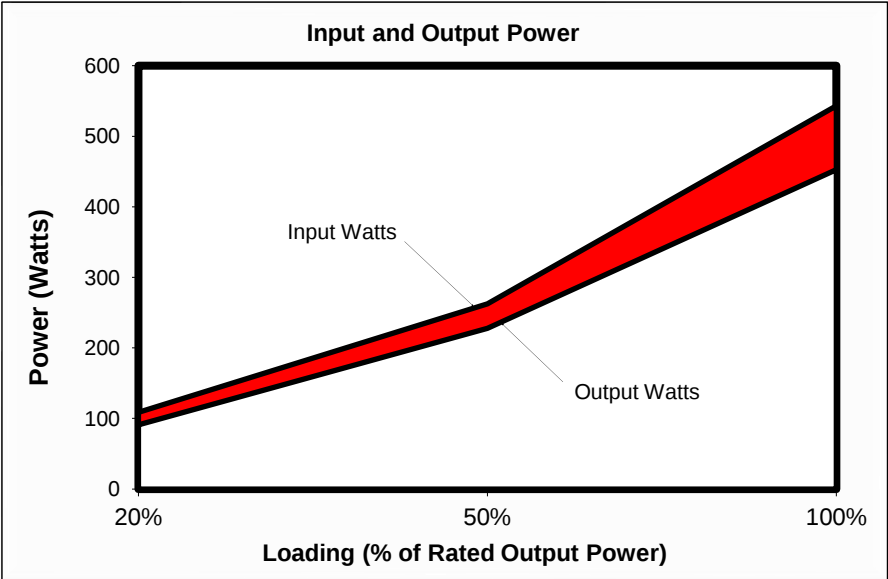
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	47-63	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 7.91%, 50% Load)

I _{RMS}	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		
0.54	0.95	12.87%	10%	58.60	12.11/2.88	11.91/0.02	3.4/1.11	5.08/1.11	5.01/0.19	45.46	77.57%
0.97	0.98	10.38%	20%	108.67	12.11/5.78	11.86/0.05	3.4/2.22	5.07/2.21	5.01/0.38	91.21	83.93%
2.31	0.99	7.91%	50%	262.50	12.09/14.47	11.88/0.12	3.38/5.55	5.04/5.5	4.98/0.96	227.66	86.73%
4.75	0.99	5.59%	100%	543.10	12.05/28.91	11.94/0.23	3.34/11.11	4.99/10.99	4.93/1.92	452.66	83.35%



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/>