

80 PLUS Verification and Testing Report

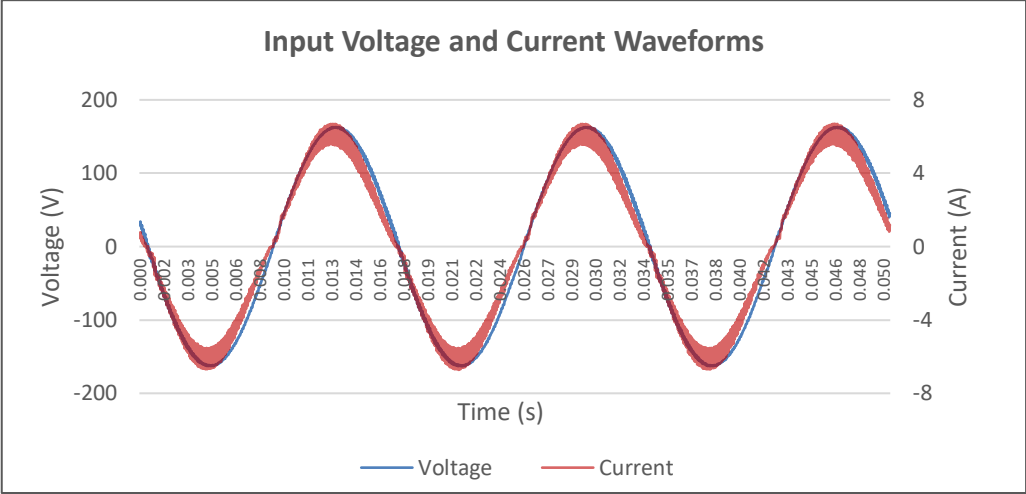
TYPICAL EFFICIENCY (50% Load):	89.08%
AVERAGE EFFICIENCY :	85.99%
80 PLUS COMPLIANT:	Bronze



ID Number	7420
Manufacturer	Chieftec
Model Number	BPX-850
Serial Number	N/A
Type	ATX12V
Test Date	5/22/24

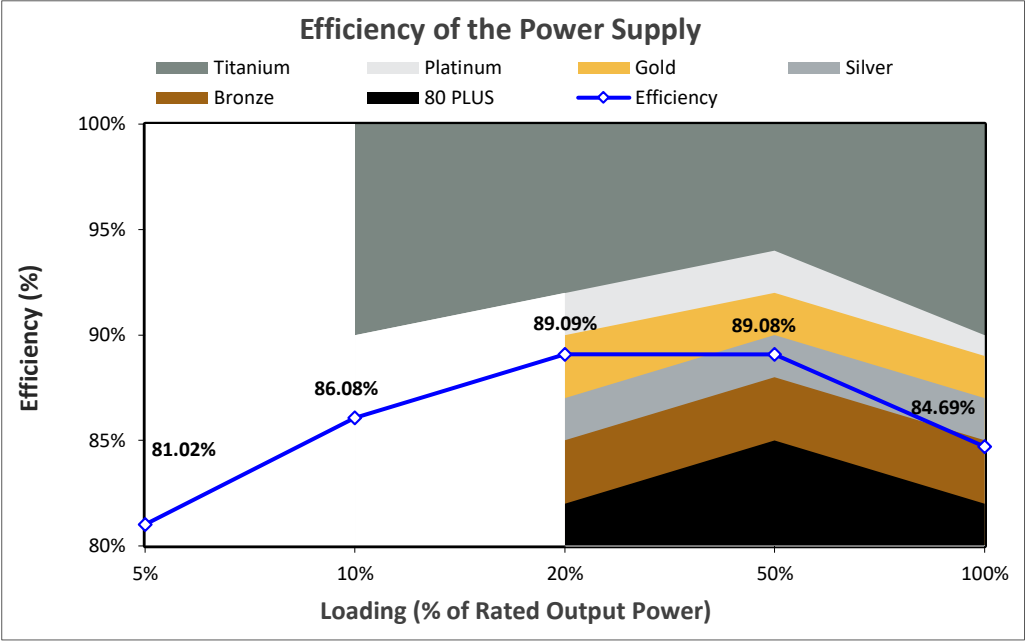
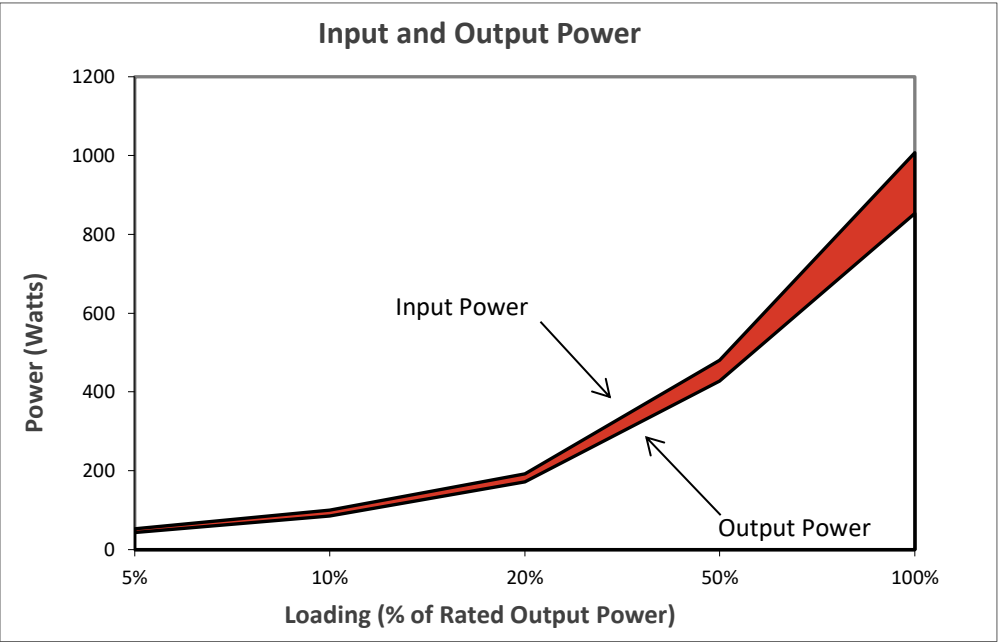
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 4.78%, 50% Load)

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	5Vstb		
0.115	0.4090	28.72	0%	5.41	No-Load						
0.494	0.9307	10.44	5%	52.89	12.07/3.11	11.83/0.013	3.39/0.53	5.13/0.53	5.16/0.132	42.85	81.02%
0.897	0.9650	8.36	10%	99.55	12.07/6.22	11.89/0.026	3.39/1.06	5.13/1.06	5.15/0.263	85.69	86.08%
1.704	0.9806	8.03	20%	192.26	12.06/12.43	11.99/0.053	3.38/2.12	5.12/2.12	5.13/0.527	171.28	89.09%
4.196	0.9943	4.78	50%	479.89	12.05/31.08	12.31/0.132	3.36/5.29	5.11/5.29	5.08/1.317	427.50	89.08%
8.790	0.9968	3.60	100%	1007.32	12.04/62.16	12.87/0.263	3.31/10.58	5.06/10.58	4.98/2.632	853.15	84.69%



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/>