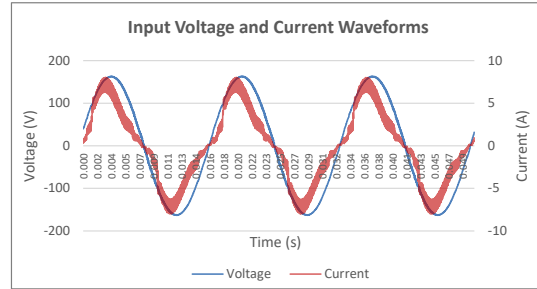


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.84%
AVERAGE EFFICIENCY :	87.33%
80 PLUS COMPLIANT:	Gold



ID Number	7119
Manufacturer	Chieftec
Model Number	CPX-850FC
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	8/14/23

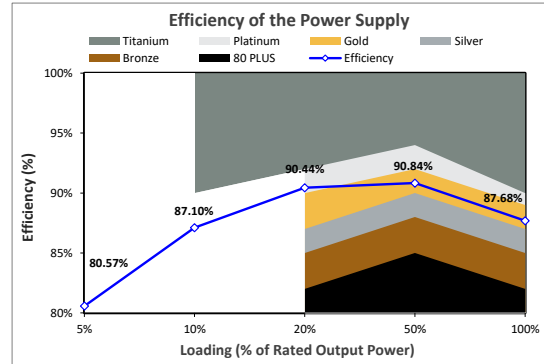
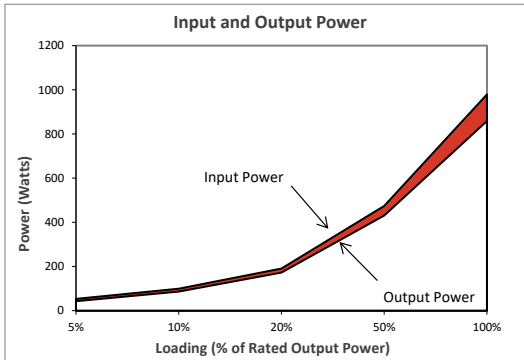


Input AC Current Waveform (ITHD = 23.24%, 50% Load)

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.

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
0.133	0.5062	19.03	0%	7.74	No-Load						
0.515	<b>0.8975</b>	15.08	5%	53.13	12.1/3.11	11.95/0.01	3.35/0.53	5.05/0.53	5.1/0.13	<b>42.81</b>	<b>80.57%</b>
0.931	<b>0.9226</b>	18.47	10%	98.82	12.09/6.24	11.95/0.03	3.35/1.06	5.06/1.06	5.09/0.26	<b>86.07</b>	<b>87.10%</b>
1.752	<b>0.9455</b>	19.75	20%	190.40	12.09/12.49	11.95/0.06	3.36/2.12	5.06/2.12	5.07/0.53	<b>172.21</b>	<b>90.44%</b>
4.303	<b>0.9585</b>	23.24	50%	474.19	12.1/31.22	11.95/0.13	3.38/5.28	5.07/5.28	5.02/1.32	<b>430.74</b>	<b>90.84%</b>
8.794	<b>0.9682</b>	19.46	100%	979.01	12.07/62.41	12.04/0.26	3.34/10.55	5.07/10.57	4.91/2.63	<b>858.42</b>	<b>87.68%</b>



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/>