

80 PLUS Verification and Testing Report

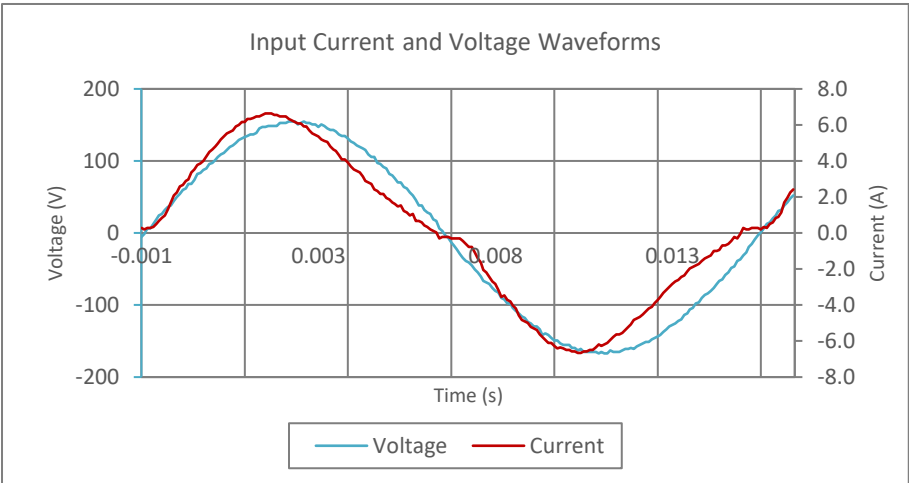
TYPICAL EFFICIENCY (50% Load):	91.22%
AVERAGE EFFICIENCY :	90.06%
80 PLUS COMPLIANT:	YES



ID Number	5832.3
Manufacturer	Chieftronic
Model Number	GPX-850FC
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	12/20/19

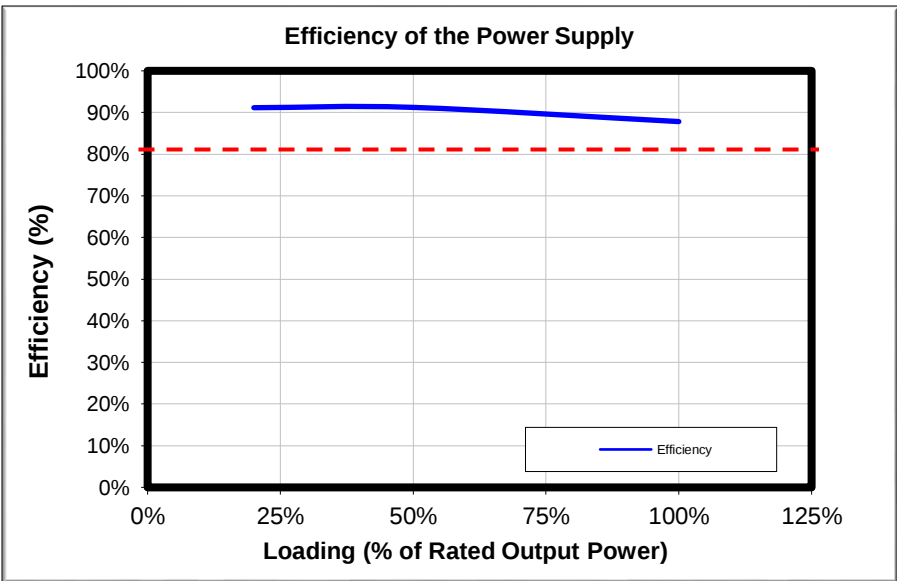
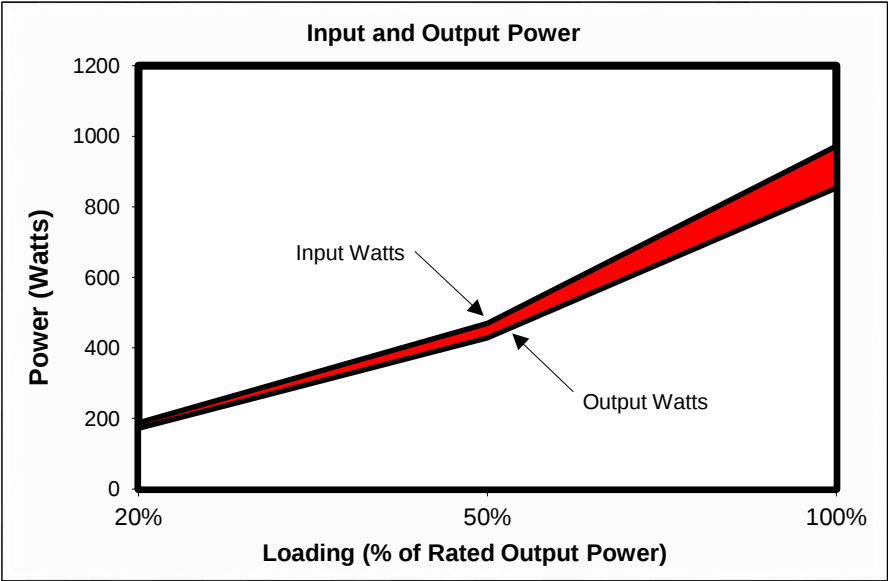
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 15.33%, 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		
0.88	0.96	19.75%	10%	97.41	12.06/6.18	12.17/0.03	3.34/1.16	5.02/1.16	5.07/0.22	85.65	87.93%
1.68	0.98	16.17%	20%	188.46	12.06/12.4	11.96/0.05	3.34/2.32	5.02/2.31	5.06/0.44	171.77	91.15%
4.18	0.98	15.33%	50%	469.50	12.06/30.96	11.89/0.13	3.34/5.78	5.02/5.74	5.01/1.09	428.29	91.22%
8.57	0.99	11.47%	100%	972.00	12.05/61.72	12.29/0.26	3.34/11.6	5.01/11.48	4.94/2.19	853.56	87.81%



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/>

