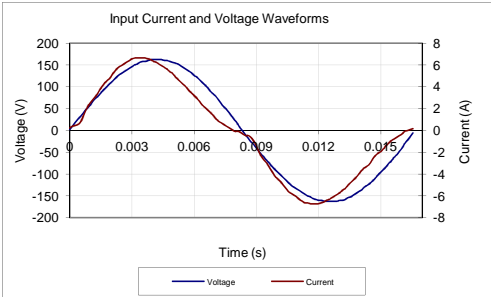


## 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	87.98%
AVERAGE EFFICIENCY :	86.22%
80 PLUS COMPLIANT:	YES



Ecos ID #	3188.2
Manufacturer	Chieftec
Model Number	APS-850CB
Serial Number	N/A
Year	2012
Type	ATX12V
Test Date	7/3/2012

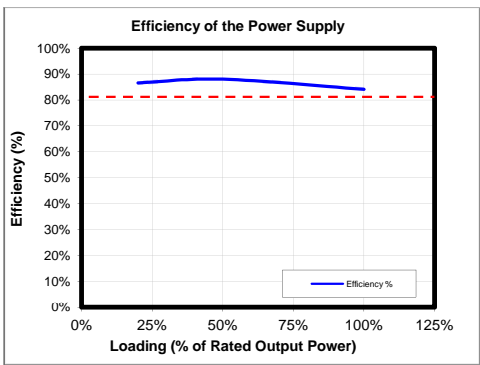
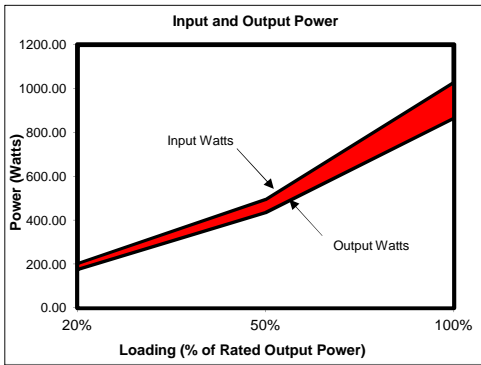


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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

Input AC Current Waveform (ITHD = 14.3%, 50% Load)

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.)						
1.02	0.92	32.31%	10%	107.70	12.3/5.9	12/0	3.4/1.5	5.2/1.5	5.1/0.3	87.75	81.47%
1.86	0.94	22.58%	20%	202.20	12.3/11.9	12/0	3.4/3	5.2/3	5.1/0.5	175.03	86.56%
4.41	0.98	14.30%	50%	494.60	12.3/29.6	12.2/0.1	3.3/7.5	5.1/7.5	5.1/1.2	435.13	87.98%
9.07	0.99	10.89%	100%	1028.80	12.3/59.1	12.5/0.3	3.3/15	5.1/15	5/2.5	865.46	84.12%



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/>

