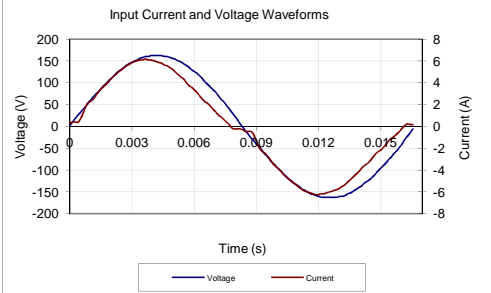


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.68%
AVERAGE EFFICIENCY :	90.31%
80 PLUS COMPLIANT:	YES



Ecos ID #	3138.5
Manufacturer	CHIEFTEC
Model Number	GPM-850C
Serial Number	N/A
Year	2012
Type	ATX12V
Test Date	5/24/2012

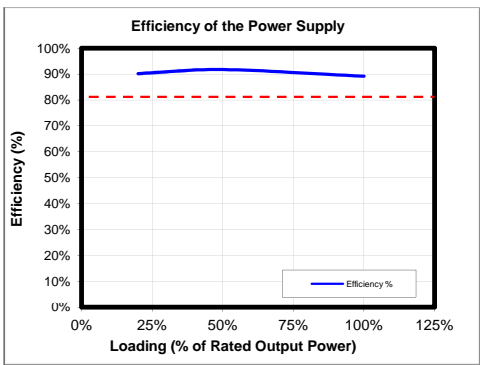
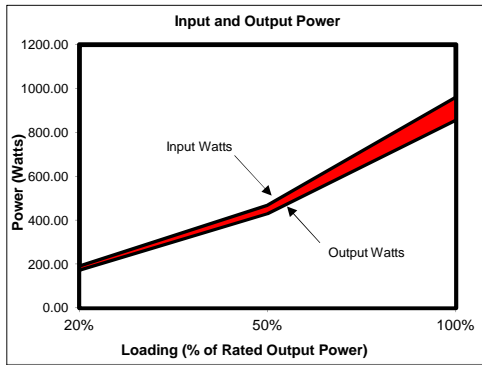


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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

Input AC Current Waveform (ITHD = 11.77%, 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.)									
0.91	0.96	22.38%	10%	101.39	12.2/6.2									
1.73	0.96	20.75%	20%	191.57	12.2/12.4				11.6/0.1	3.3/1.1	5.1/1.1	5.1/0.3	86.33	85.14%
4.14	0.98	11.77%	50%	469.10	12.1/30.9				11.6/0.1	3.3/2.1	5.1/2.1	5.1/0.5	172.62	90.11%
8.40	0.99	7.98%	100%	960.90	12.1/61.8				11.5/0.4	3.3/5.3	5.1/5.3	5.1/1.3	430.09	91.68%
									11.6/0.7	3.3/10.6	5.1/10.6	5/2.6	856.55	89.14%



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/>

