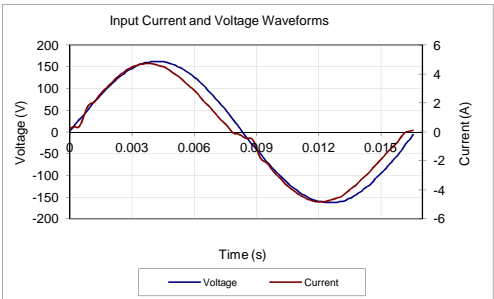


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.83%
AVERAGE EFFICIENCY :	85.00%
80 PLUS COMPLIANT:	YES



Ecos ID #	2634.3
Manufacturer	CHIEFTEC
Model Number	BPS-650S2
Serial Number	N/A
Year	2011
Type	ATX12V
Test Date	6/29/2011

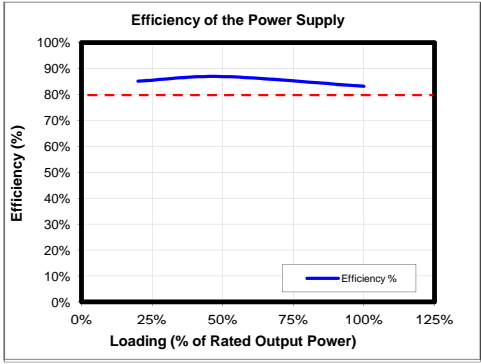
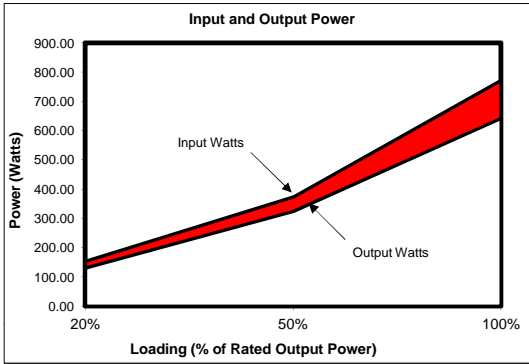


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 8.96%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)					
1.37	0.97	17.00%	20%	Light	153.15	11.9/8.2					
3.28	0.99	8.96%	50%	Typical	373.30	11.8/20.5				130.28	85.07%
6.75	1.00	5.47%	100%	Full	772.80	11.8/41				642.12	83.09%



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/>

