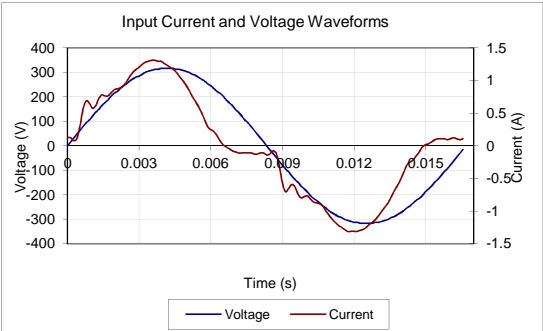


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>89.05%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.85%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-376.1
<b>Manufacturer</b>	3Y Power Technology Inc.
<b>Model Number</b>	YM-2301E
<b>Serial Number</b>	TA000B791151000001
<b>Year</b>	2011
<b>Type</b>	1U
<b>Test Date</b>	1/16/2012



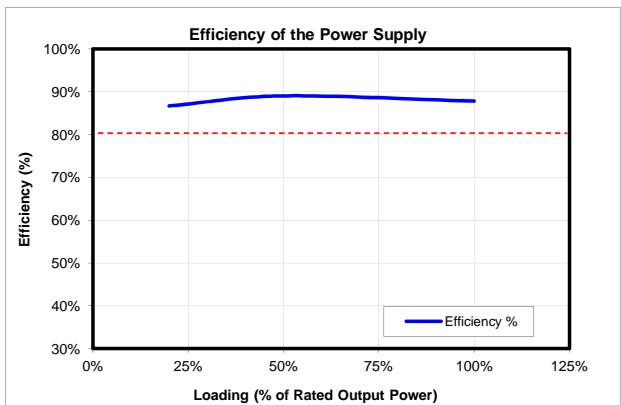
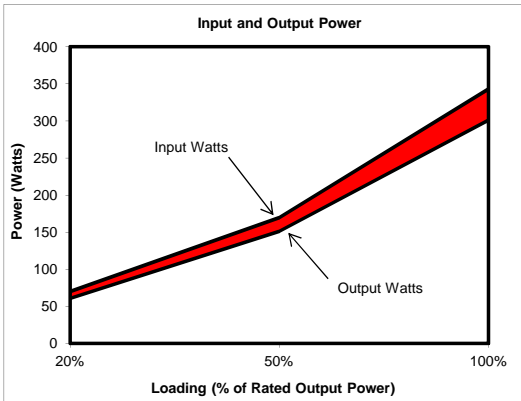
Input AC Current Waveform (ITHD = 25.23%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5-3	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	5Vsb		
0.24	0.71	39.51	*10%	Low	40	2.76	12.15/2.38	5.08/0.3	30	76.94%
0.38	0.81	36.77	20%	Light	70	2.76	12.14/4.76	5.08/0.59	61	86.68%
0.81	0.91	25.23	50%	Typical	170	2.76	12.12/11.85	5.01/1.48	151	89.05%
1.56	0.95	21.68	100%	Full	343	2.76	12.14/23.58	4.99/2.97	301	87.82%

\* 10% load results are for informative purposes only and not included in certification requirements.  
 \*\* Fan power is not included in the efficiency calculations



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS<sup>®</sup> 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/>

