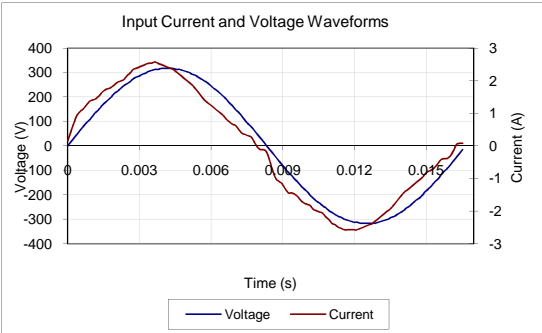


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>89.82%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.95%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-303
<b>Manufacturer</b>	iStarUSA Group
<b>Model Number</b>	IS-700E
<b>Serial Number</b>	E113GYG00192
<b>Year</b>	2011
<b>Type</b>	1U
<b>Test Date</b>	8/8/2011



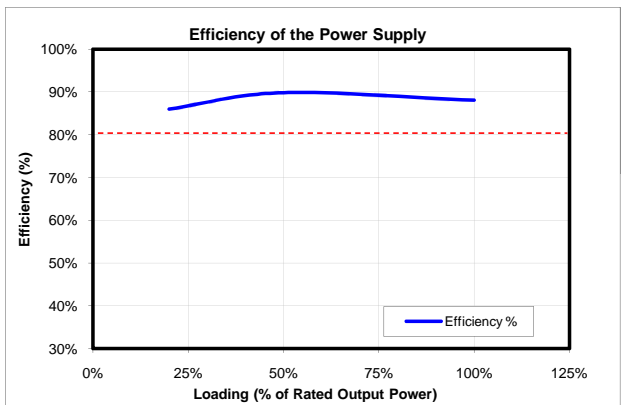
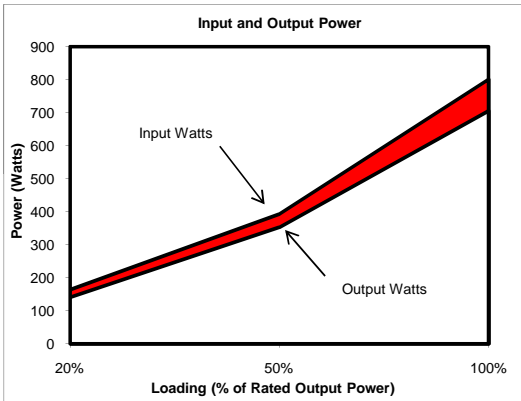
Input AC Current Waveform (ITHD = 8.51%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-6	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>700</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		
0.48	0.81	18.72	*10%	Low	90	4.08	12.06/5.7	5.07/0.35	71	78.10%
0.78	0.91	11.11	20%	Light	164	4.80	12.08/11.39	5.05/0.7	141	85.98%
1.75	0.98	8.51	50%	Typical	393	4.08	12.11/28.44	5.03/1.75	353	89.82%
3.52	0.99	8.13	100%	Full	802	8.04	12.1/56.89	5.02/3.49	706	88.05%

\* 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/>

