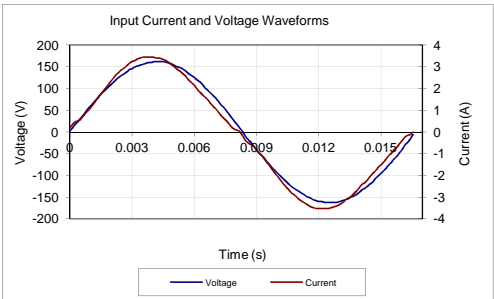


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.64%
AVERAGE EFFICIENCY :	82.54%
80 PLUS COMPLIANT:	YES



Ecos ID #	2763
Manufacturer	iStarUSA Group
Model Number	IS-2U46PD8
Serial Number	N/A
Year	2011
Type	2U
Test Date	9/14/2011

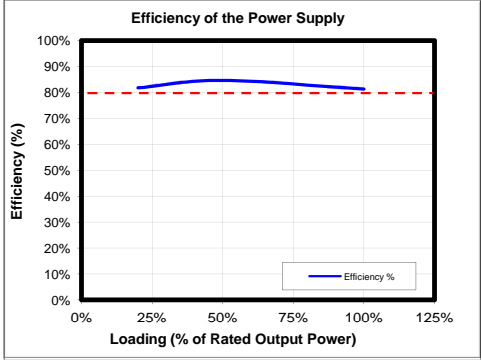
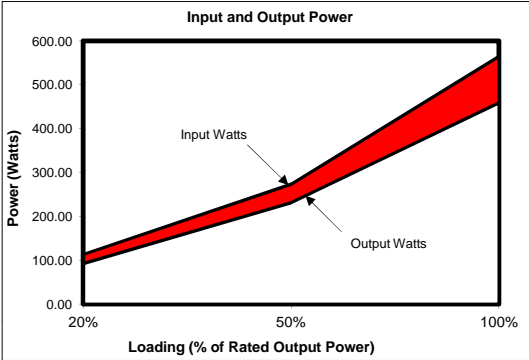


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>460</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 7.73%, 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.)						
1.00	0.98	4.27%	20%	Light	113.67	12.1/5.7	12.1/0.1	3.4/2.4	5/2.4	5/0.5	92.91	81.73%
2.40	0.99	7.73%	50%	Typical	273.70	12/14.4	12.1/0.3	3.4/5.9	5/5.9	5/1.1	231.67	84.64%
4.97	0.99	9.76%	100%	Full	565.40	11.9/28.7	12.1/0.6	3.3/11.7	5/11.8	4.9/2.3	459.35	81.24%



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/>

