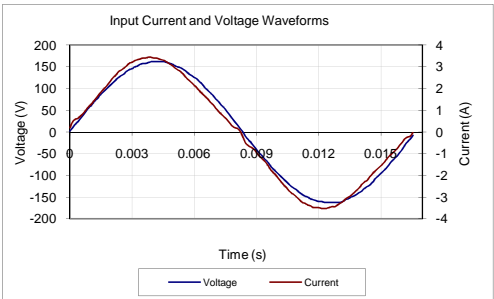


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.81%
AVERAGE EFFICIENCY :	82.77%
80 PLUS COMPLIANT:	YES



Ecos ID #	2760
Manufacturer	iStarUSA Group
Model Number	IS-1U46PD8
Serial Number	N/A
Year	2011
Type	1U
Test Date	9/12/2011

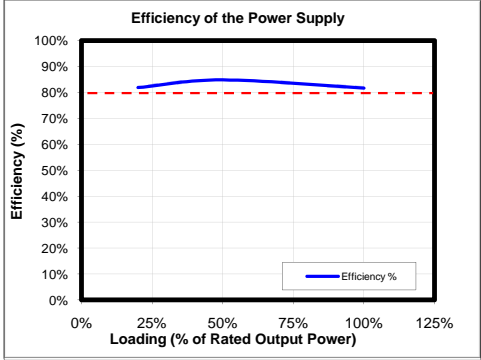
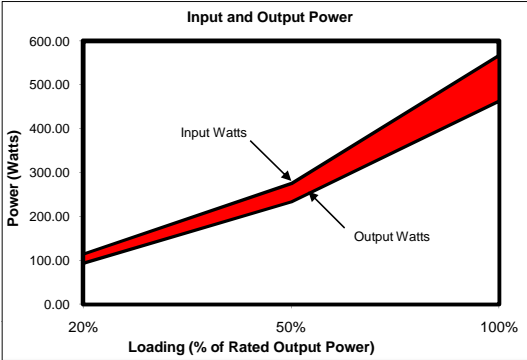


Input AC Current Waveform (ITHD = 5.92%, 50% Load)

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

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

I _{RMS} A	PF	I _{THD} (%)	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	0.99	3.90%	20%	Light	114.24	12.2/5.7						
2.40	1.00	5.92%	50%	Typical	275.10	12.1/14.4					93.52	81.87%
4.96	0.99	8.10%	100%	Full	567.50	12.1/28.7					463.34	81.65%



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/>

