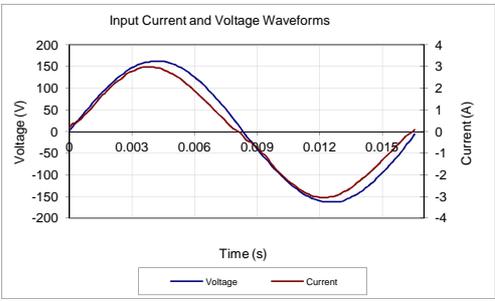


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.00%
AVERAGE EFFICIENCY :	83.08%
80 PLUS COMPLIANT:	YES



Ecos ID #	2762
Manufacturer	iStarUSA Group
Model Number	IS-2U40PD8
Serial Number	N/A
Year	2011
Type	2U
Test Date	9/14/2011

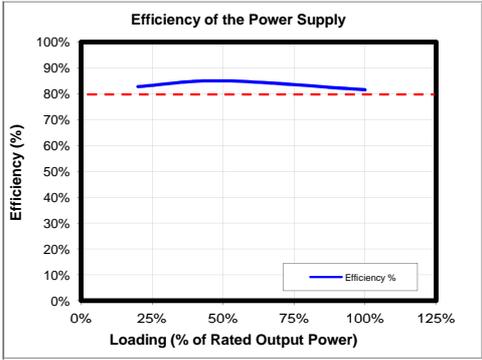
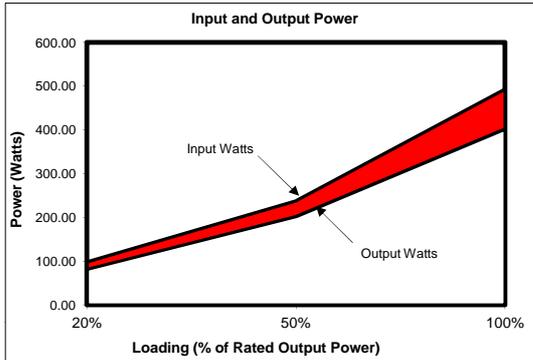


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	47-63	Hz
Rated Output Power	400	Watts

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

Input AC Current Waveform (ITHD = 6.45%, 50% Load)

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.)						
0.87	0.99	7.69%	20%	Light	98.43	12.1/4.8	12.1/0.1	3.4/2.3	5.1/2.3	5/0.4	81.45	82.75%
2.08	0.99	6.45%	50%	Typical	238.08	12.1/12	12.1/0.3	3.4/5.7	5.1/5.7	5/1.1	202.37	85.00%
4.32	0.99	8.43%	100%	Full	493.60	12/24.1	12.2/0.6	3.4/11.3	5.1/11.3	4.9/2.2	402.18	81.48%



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/>

