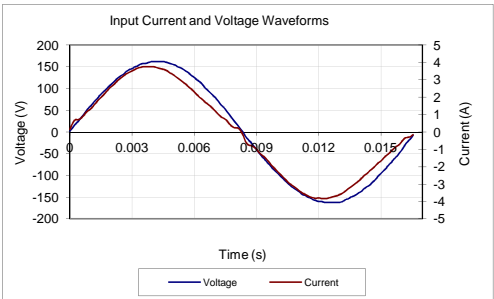


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.27%
AVERAGE EFFICIENCY :	82.25%
80 PLUS COMPLIANT:	YES



Ecos ID #	2764
Manufacturer	iStarUSA Group
Model Number	IS-2U50PD8
Serial Number	N/A
Year	2011
Type	2U
Test Date	9/14/2011

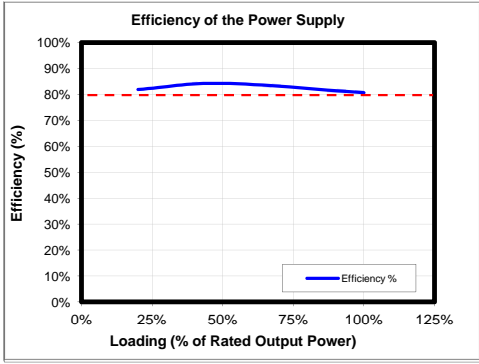
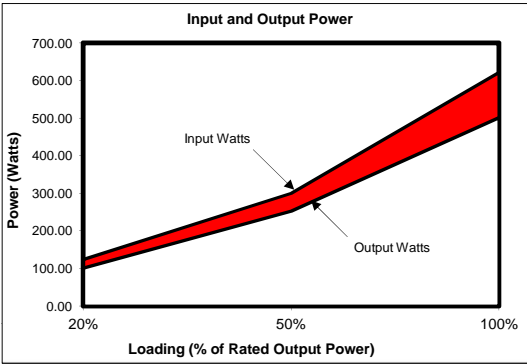


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.4-3.7	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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

Input AC Current Waveform (ITHD = 6.71%, 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.)						
1.09	0.99	5.75%	20%	Light	124.19	12.1/6.3	12/0.1	3.4/2.6	5.1/2.6	5/0.5	101.66	81.86%
2.62	0.99	6.71%	50%	Typical	300.20	12.1/15.7	12/0.3	3.4/6.4	5.1/6.4	5/1.1	252.98	84.27%
5.46	0.99	10.20%	100%	Full	622.30	12/31.3	12.1/0.6	3.4/12.7	5.1/12.8	4.9/2.3	501.71	80.62%



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/>

