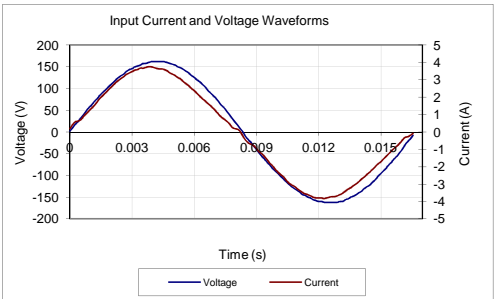


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.91%
AVERAGE EFFICIENCY :	82.88%
80 PLUS COMPLIANT:	YES



Ecos ID #	2761
Manufacturer	iStarUSA Group
Model Number	IS-1U50PD8
Serial Number	N/A
Year	2011
Type	1U
Test Date	9/14/2011

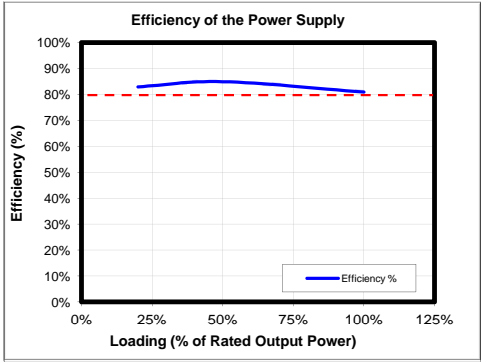
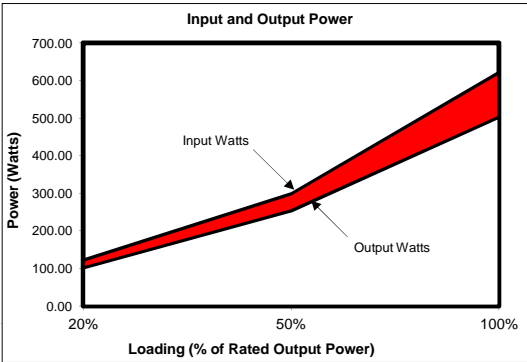


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7.4-3.7	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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

Input AC Current Waveform (ITHD = 6.06%, 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.)						
1.08	0.99	4.45%	20%	Light	122.93	12.2/6.3					101.89	82.88%
2.61	1.00	6.06%	50%	Typical	298.90	12.1/15.7					253.79	84.91%
5.45	0.99	9.38%	100%	Full	622.00	12.2/31.3					502.82	80.84%



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/>

