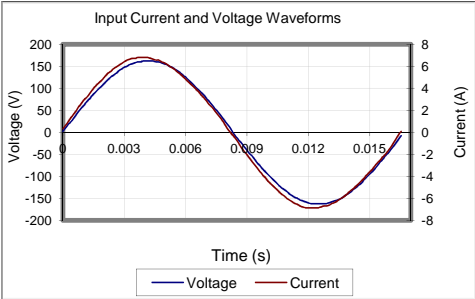


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.96%
AVERAGE EFFICIENCY :	89.42%
80 PLUS COMPLIANT:	YES



Ecos ID #	2081.2
Manufacturer	iStarUSA Group
Model Number	IS-1U50PD8G
Serial Number	S0141000018
Year	2010
Type	1U
Test Date	5/20/2010

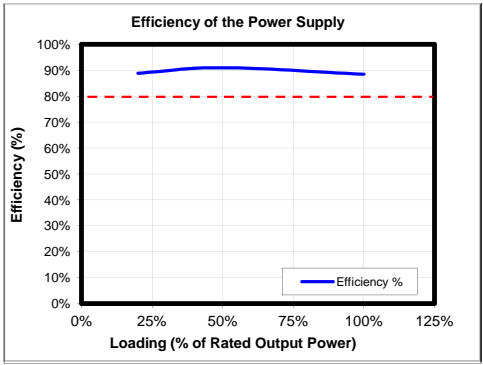
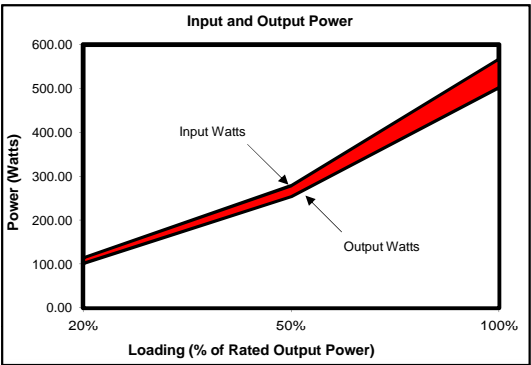


Input AC Current Waveform (ITHD = 3.21%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	500	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.)						
1.01	0.99	4.75%	20%	Light	114.36	12.2/6.6					101.61	88.85%
2.43	1.00	3.21%	50%	Typical	278.80	12.2/16.6					253.60	90.96%
4.94	1.00	1.46%	100%	Full	567.90	12.1/33.1					502.38	88.46%



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/>

