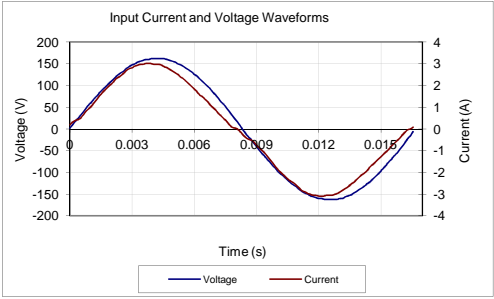


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.71%
AVERAGE EFFICIENCY :	82.72%
80 PLUS COMPLIANT:	YES



Ecos ID #	2804
Manufacturer	iStarUSA Group
Model Number	IS-1U40PD8
Serial Number	N/A
Year	2011
Type	1U
Test Date	9/28/2011

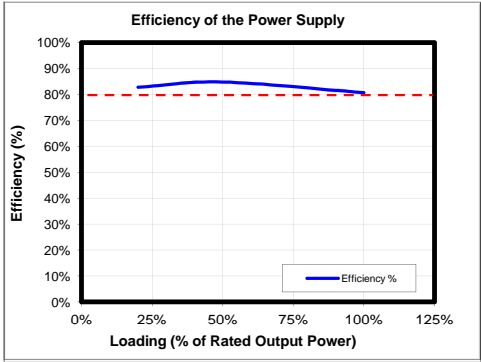
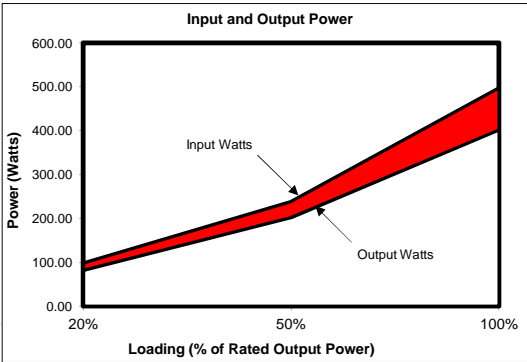


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 8.05%, 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.)						
0.87	0.99	7.52%	20%	Light	98.52	12.2/4.8						
2.09	0.99	8.05%	50%	Typical	238.86	12.1/12					202.34	84.71%
4.37	0.99	10.66%	100%	Full	498.00	12/24.1					401.94	80.71%



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/>

