

80 PLUS Verification and Testing Report

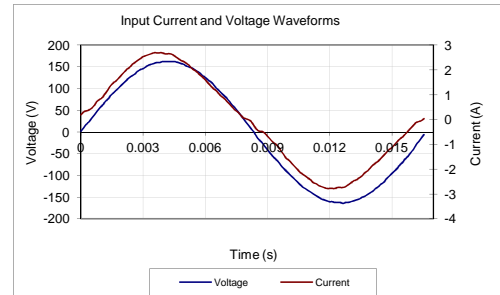
TYPICAL EFFICIENCY (50% Load):	84.25%
AVERAGE EFFICIENCY :	82.09%
80 PLUS COMPLIANT:	YES



Ecos ID #	2803
Manufacturer	iStarUSA Group
Model Number	IS-1U35PD8
Serial Number	N/A
Year	2011
Type	1U
Test Date	9/28/2011

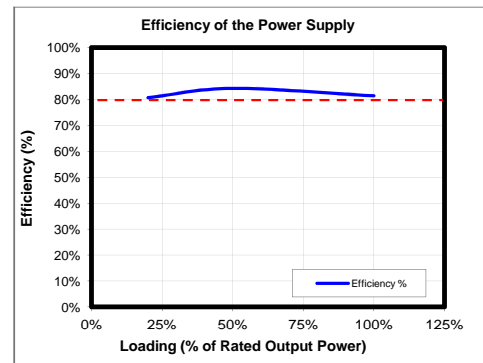
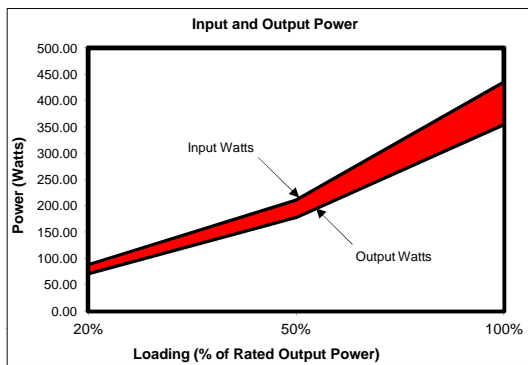
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5-2.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	350	Watts

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



Input AC Current Waveform (ITHD = 8.51%, 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.)	-12V	3.3V	5V	5Vsb		
0.78	0.99	8.94%	20%	Light	88.55	12.1/4.1	12.1/0.1	3.4/2.2	5.2/2.2	5/0.4	71.42	80.65%
1.85	0.99	8.51%	50%	Typical	211.29	12.1/10.1	12.1/0.3	3.4/5.4	5.2/5.4	5/1	178.02	84.25%
3.83	0.99	11.77%	100%	Full	435.80	12.1/20.3	12.1/0.6	3.4/10.9	5.2/10.9	5/2.1	354.61	81.37%



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/>

