

80 PLUS Verification and Testing Report

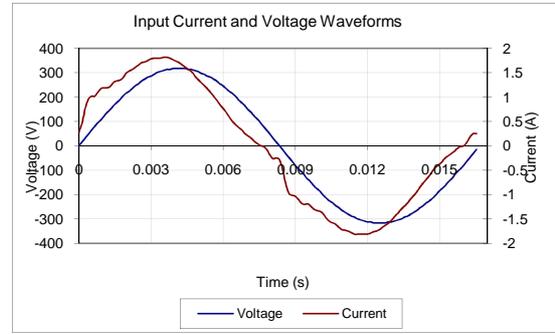
TYPICAL EFFICIENCY (50% Load):	91.18%
AVERAGE EFFICIENCY :	89.94%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-302
Manufacturer	iStarUSA Group
Model Number	IS-500E
Serial Number	T110IRG00006
Year	2011
Type	1U
Test Date	8/8/2011

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

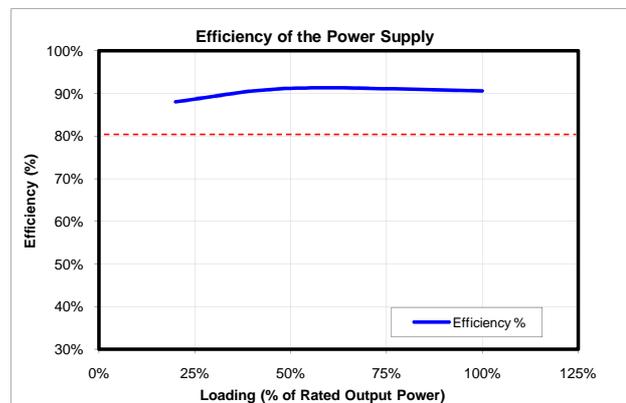
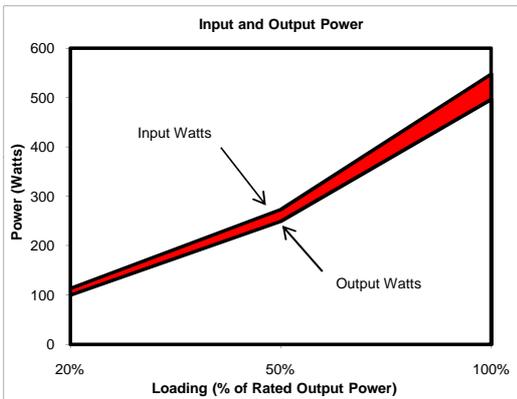


Input AC Current Waveform (ITHD = 8.46%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	5Vsb		
0.38	0.70	31.86	*10%	Low	61	0.84	12/4.1	4.97/0.1	50	80.89%
0.62	0.79	19.21	20%	Light	114	0.84	11.99/8.25	4.95/0.2	100	88.04%
1.26	0.95	8.46	50%	Typical	274	1.20	11.96/20.64	4.91/0.5	249	91.18%
2.43	0.98	6.98	100%	Full	548	6.36	11.92/41.26	4.87/0.99	497	90.60%

* 10% load results are for informative purposes only and not included in certification requirements.

** Fan power is not included in the efficiency calculations



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/>

