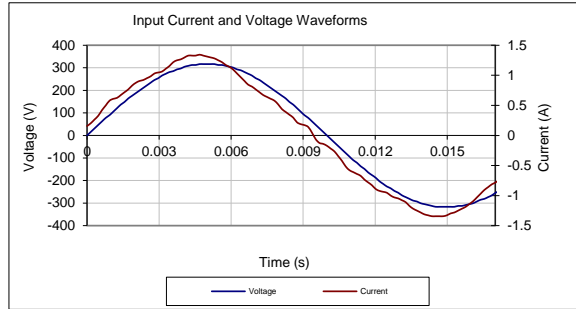


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.62%
AVERAGE EFFICIENCY :	85.32%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-168.1
Manufacturer	Listan GmbH & Co. KG
Model Number	SB9-350W
Serial Number	257H5370000059
Year	2015
Type	ATX12V
Test Date	10/22/15

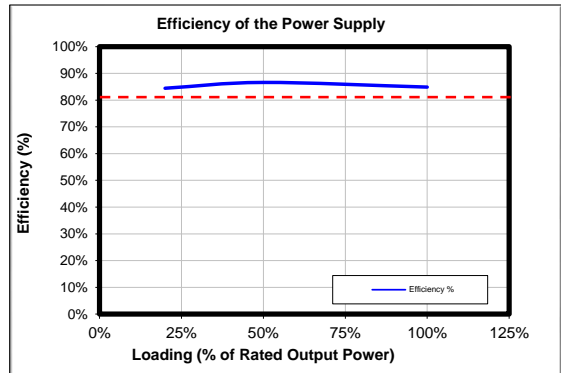
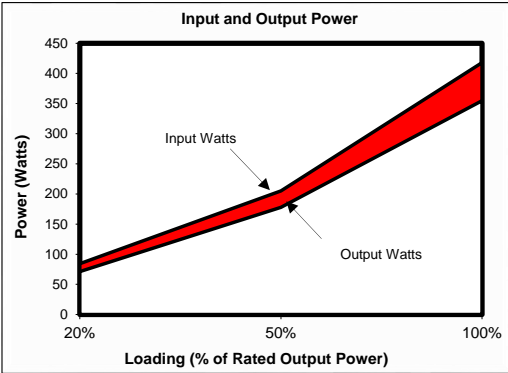


Input AC Current Waveform (ITHD = 6.56%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	3	Amps
Input Frequency	50	Hz
Rated Output Power	350	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
					12V (cumulative of 12V1, 12V2, etc.)						
0.24	0.81	30.73%	10%	45.21	12.21/2.13	12.03/0.02	3.36/1.12	5.05/0.89	5.03/0.2	35.54	78.61%
0.39	0.94	12.61%	20%	84.35	12.22/4.27	12.04/0.05	3.35/2.25	5.03/1.76	5.02/0.39	71.23	84.44%
0.93	0.96	6.56%	50%	205.27	12.24/10.68	12.06/0.12	3.34/5.61	4.99/4.4	4.99/0.99	177.81	86.62%
1.84	0.99	10.49%	100%	417.90	12.27/21.31	12.13/0.24	3.32/11.2	4.93/8.79	4.95/1.97	354.72	84.88%



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/>

