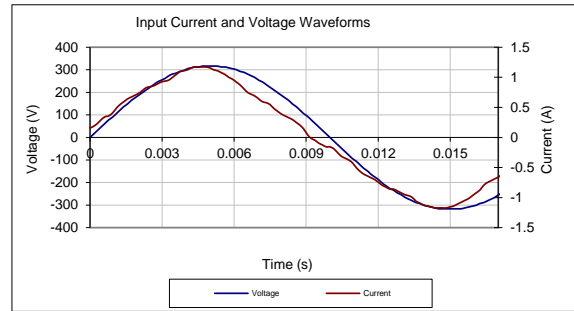


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.68%
AVERAGE EFFICIENCY :	85.11%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-167.1
Manufacturer	Listan GmbH & Co. KG
Model Number	SB9-300W
Serial Number	256H5370000094
Year	2015
Type	ATX12V
Test Date	10/22/15

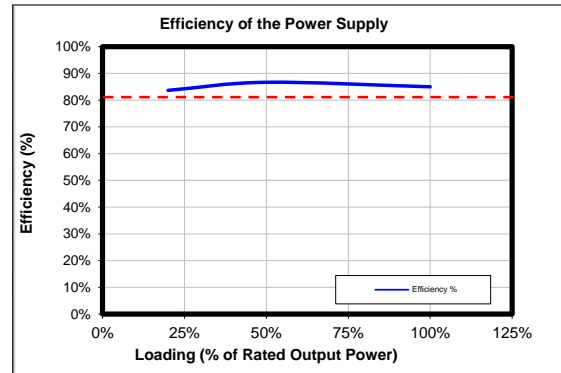
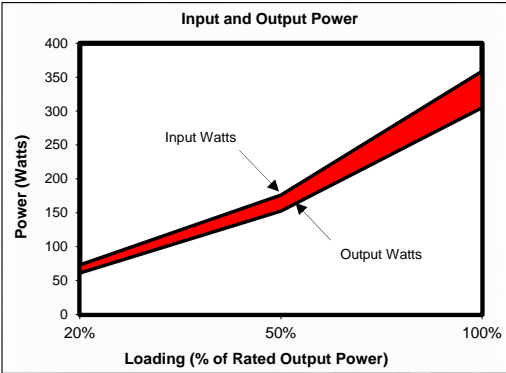


Input AC Current Waveform (ITHD = 7.78%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	2.5	Amps
Input Frequency	50	Hz
Rated Output Power	300	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.)	-12V	3.3V	5V	5Vsb		
0.22	0.77	34.95%	10%	39.32	12.25/1.74	12.08/0.02	3.35/1.01	5.06/0.89	5.01/0.19	30.43	77.39%
0.35	0.91	18.91%	20%	73.11	12.26/3.5	12.08/0.05	3.35/2.03	5.04/1.78	5.01/0.38	61.17	83.66%
0.79	0.97	7.78%	50%	176.14	12.29/8.76	12.13/0.11	3.33/5.07	4.99/4.44	4.98/0.95	152.68	86.68%
1.58	0.99	11.66%	100%	358.80	12.33/17.49	12.19/0.23	3.31/10.12	4.92/8.88	4.94/1.9	304.97	85.00%



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/>

