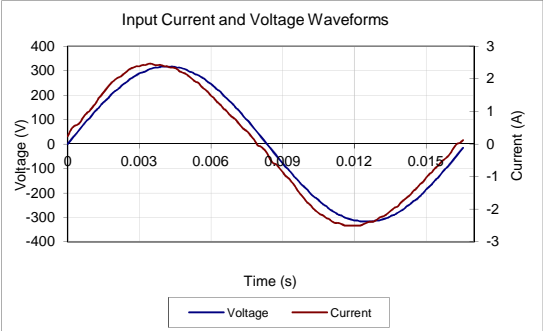


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.38%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.23%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-825
<b>Manufacturer</b>	SAMSUNG
<b>Model Number</b>	PSSF751202D
<b>Serial Number</b>	PWS-751P-1R
<b>Year</b>	2014
<b>Type</b>	1U
<b>Test Date</b>	09/03/14



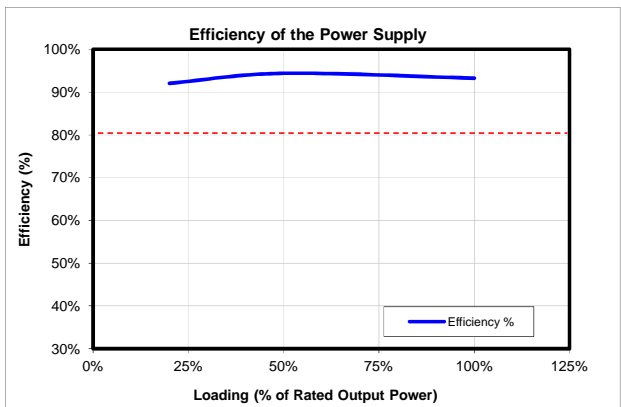
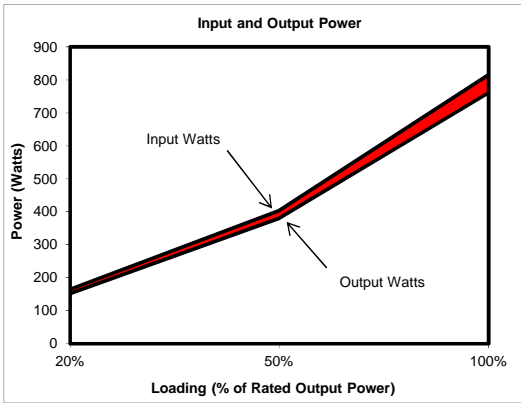
Input AC Current Waveform (ITHD = 4.5%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	9.5 / 4.5	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>750</b>	<b>Watts</b>

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

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12VSB		
0.43	0.88	18.47	10%	Low	87	1.92	12.2/6.03	11.93/0.2	76	87.42%
0.76	0.95	13.04	20%	Light	166	1.92	12.2/12.11	11.91/0.41	153	92.05%
1.78	0.99	4.50	50%	Typical	404	1.92	12.19/30.27	11.88/1.01	381	94.38%
3.57	0.99	4.24	100%	Full	816	1.92	12.16/60.6	11.85/2.03	761	93.25%

\* 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<sup>®</sup> 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/>

