

80 PLUS Verification and Testing Report

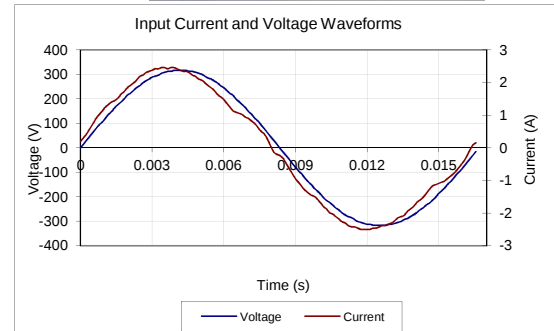
TYPICAL EFFICIENCY (50% Load):	94.14%
AVERAGE EFFICIENCY :	92.90%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-605
Manufacturer	SAMSUNG ELECTRO-MECHANICS
Model Number	PSSF751202B
Serial Number	CNS7512B4SD7J0259
Year	2013
Type	1U
Test Date	09/10/13

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

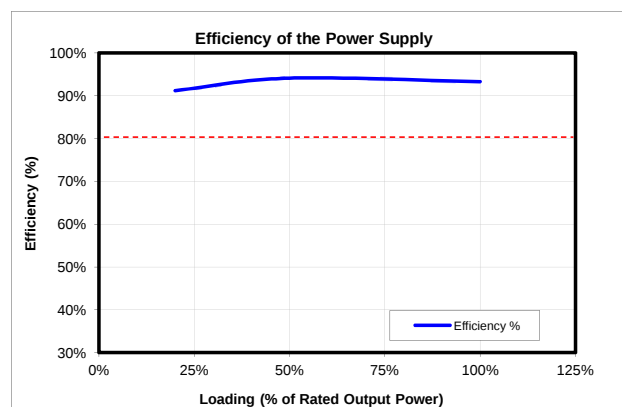
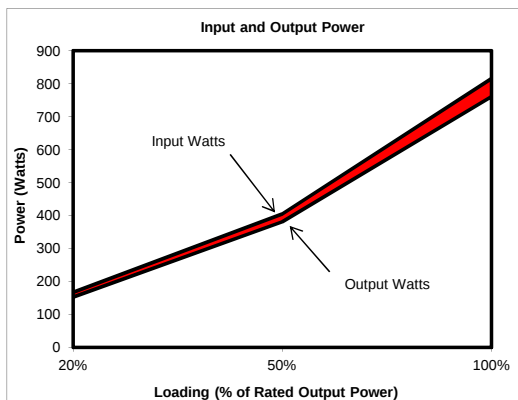
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5.34%, 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	12Vsb		
0.44	0.88	18.91	10%	Low	89	2.16	12.2/6.07	11.97/0.21	76	86.16%
0.77	0.95	15.20	20%	Light	167	2.16	12.2/12.11	11.95/0.41	153	91.23%
1.78	0.99	5.34	50%	Typical	405	2.16	12.19/30.28	11.91/1.02	381	94.14%
3.57	0.99	6.76	100%	Full	815	2.16	12.16/60.55	11.87/2.04	761	93.33%

* 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/>

