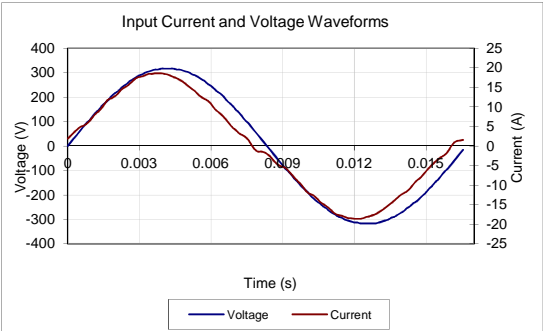


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	92.25%
AVERAGE EFFICIENCY :	91.25%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-866
Manufacturer	FSP Technology Inc.
Model Number	FSP520-20RGGBB1
Serial Number	S442100025
Year	2014
Type	PS2 Redundant
Test Date	12/19/14



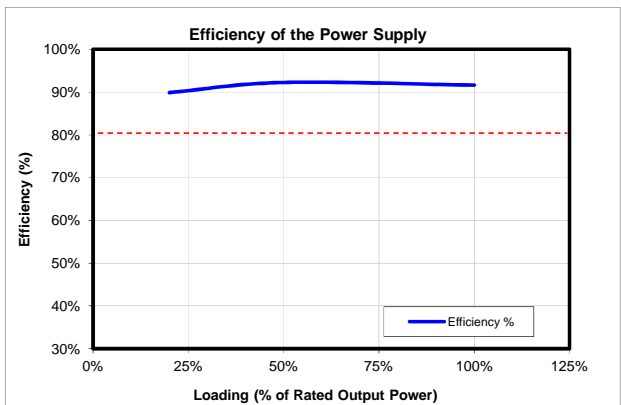
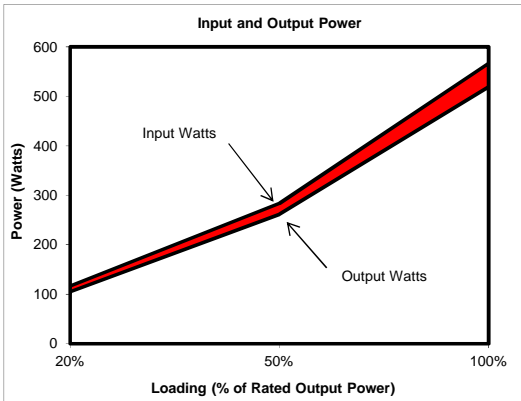
Input AC Current Waveform (ITHD = 8.61%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	60-50	Hz
Rated Output Power	520	Watts

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

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		
0.32	0.84	26.84	10%	Low	62	2.28	12.06/4.18	5.16/0.29	52	83.80%
0.55	0.93	19.70	20%	Light	117	2.28	12.06/8.46	5.14/0.58	105	89.89%
1.26	0.98	8.61	50%	Typical	283	2.28	12.03/21.11	5.09/1.46	261	92.25%
2.48	0.99	6.04	100%	Full	567	2.28	11.96/42.2	5.01/2.91	519	91.62%

* 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/>

