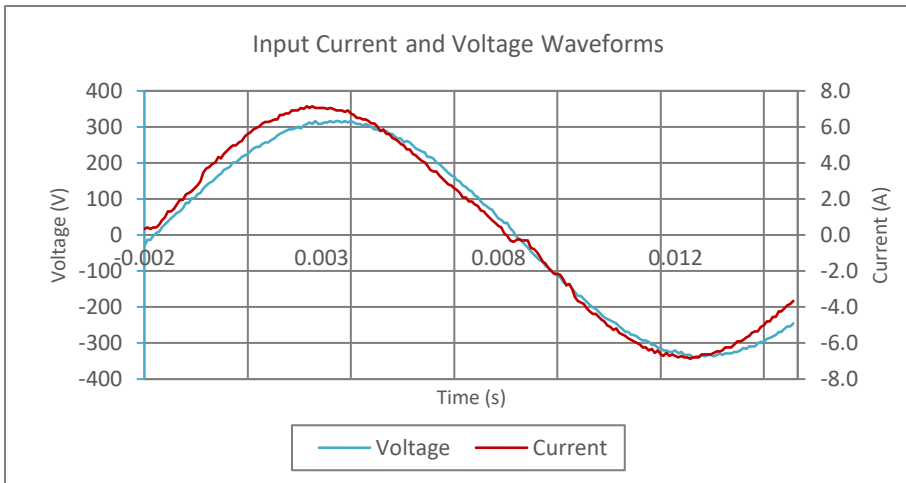


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.26%
AVERAGE EFFICIENCY :	91.96%
80 PLUS COMPLIANT:	YES



ID Number	EU-446
Manufacturer	FSP Technology Inc.
Model Number	FSP2000-52AGPBI
Serial Number	S8121000800
Year	2018
Type	ATX12V, EPS12V
Test Date	9/24/18

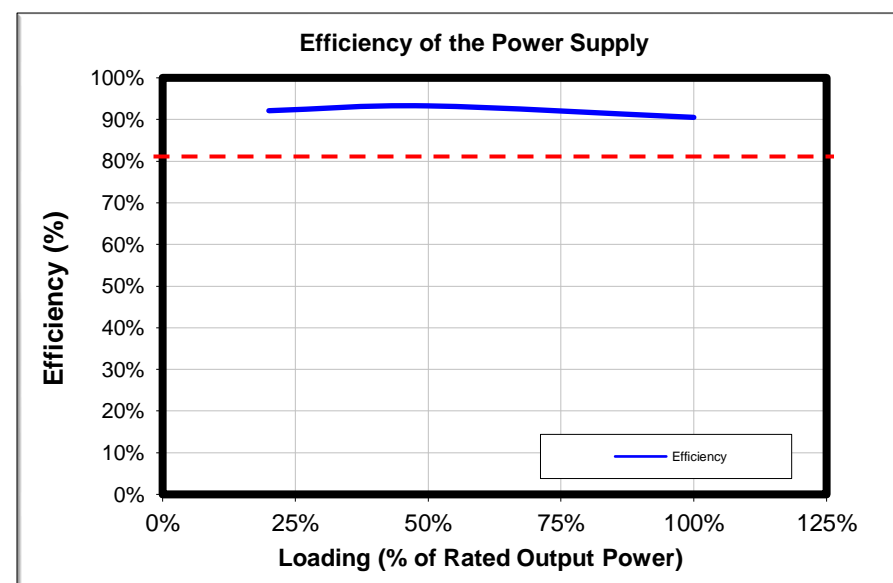
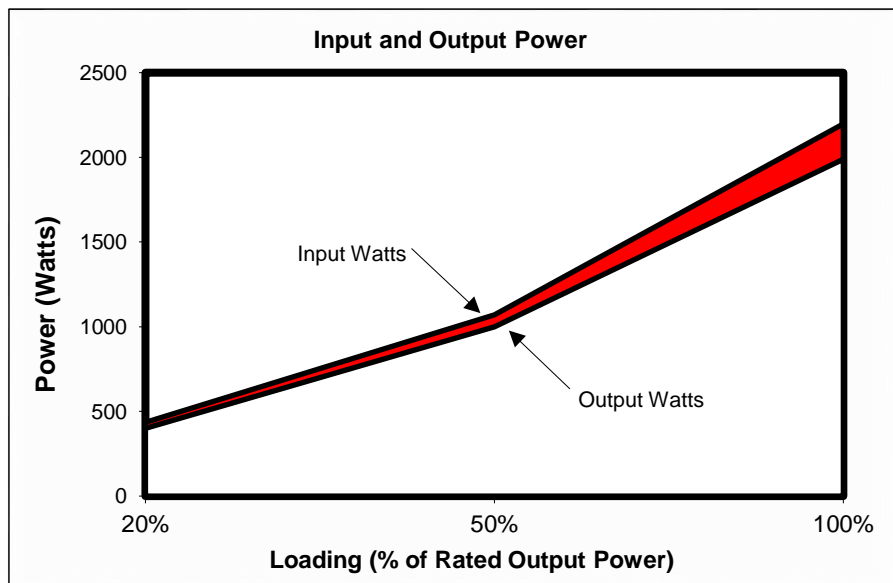


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15-12	Amps
Input Frequency	60-50	Hz
Rated Output Power	2000	Watts

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

Input AC Current Waveform (ITHD = 6.49%, 50% Load)

I _{RMS}	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		
1.04	0.95	23.74%	10%	226.02	11.96/15.36	12.05/0.05	3.37/1.66	5.11/1.66	5.1/0.37	200.28	88.61%
1.94	0.97	18.67%	20%	434.90	11.94/30.8	12.07/0.09	3.36/3.31	5.08/3.29	5.09/0.74	400.57	92.11%
4.69	0.99	6.49%	50%	1070.00	11.94/76.8	12.1/0.23	3.32/8.32	5.07/8.23	5.04/1.84	997.91	93.26%
9.58	1.00	4.29%	100%	2197.60	11.93/153.25	12.15/0.46	3.3/16.65	5/16.45	4.94/3.68	1988.99	90.51%



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/>

