80 PLUS Verification and Testing Report

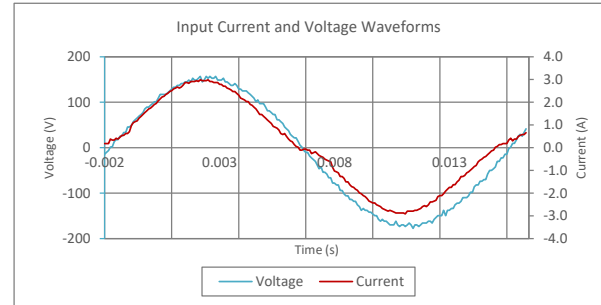|	
TYPICAL EFFICIENCY (50% Load):	**90.91%**
AVERAGE EFFICIENCY :	**89.36%**
80 PLUS COMPLIANT:	**YES**

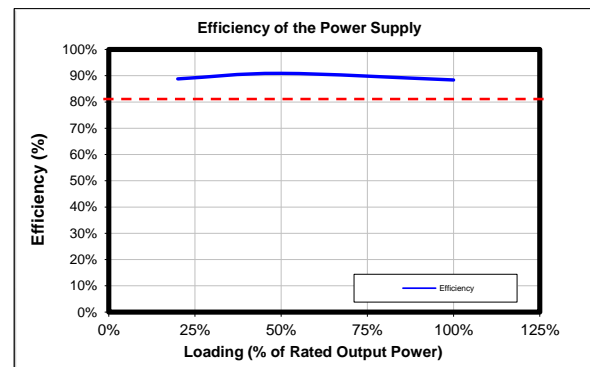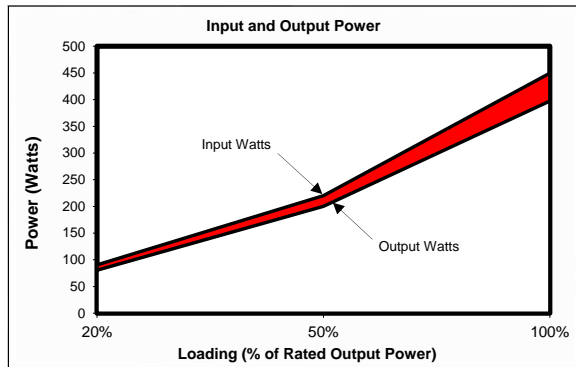| ID Number	6251
Manufacturer	FSP Technology Inc.
Model Number	FSP400-50FDB
Serial Number	S0381051006
Year	2020
Type	FLEX ATX
Test Date	12/21/20

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	60-50	Hz
Rated Output Power	**400**	**Watts**

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 10.19%, 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		
0.44	0.94	29.55%	10%	47.94	12/2.62	11.55/0.02	3.32/0.79	5.11/0.9	5.14/0.24	40.08	83.61%
0.81	0.97	22.01%	20%	90.64	11.99/5.25	11.52/0.05	3.32/1.58	5.1/1.8	5.13/0.48	80.48	88.79%
1.93	0.99	10.19%	50%	220.30	11.95/13.14	11.55/0.12	3.3/3.96	5.07/4.48	5.09/1.19	200.27	90.91%
3.91	1.00	5.20%	100%	449.60	11.89/26.21	11.68/0.24	3.28/7.91	5.03/8.96	5.02/2.38	397.40	88.39%

Input and Output Power

Efficiency of the Power Supply

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/*