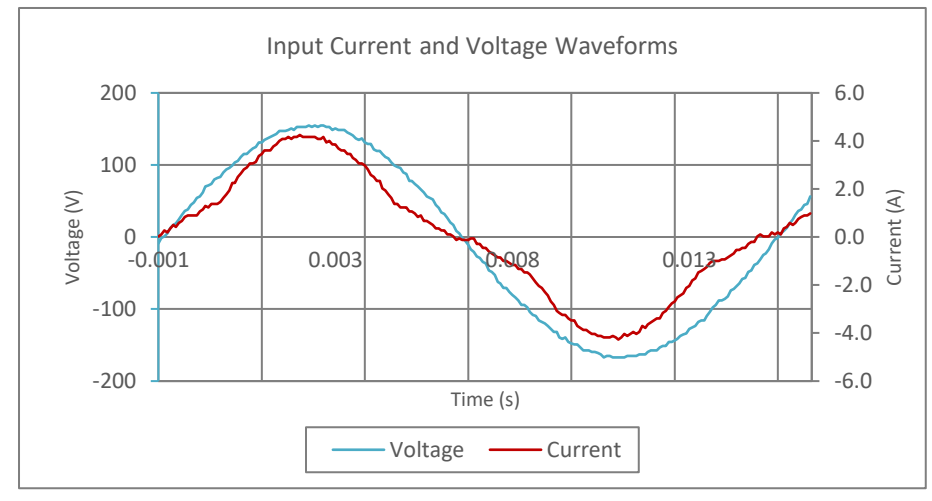
80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**87.10%**
AVERAGE EFFICIENCY :	**85.30%**
80 PLUS COMPLIANT:	**YES**

ID Number	5776
Manufacturer	FSP Technology Inc.
Model Number	FSP500-50AAC
Serial Number	S8300030065
Year	2019
Type	ATX12V
Test Date	11/13/19

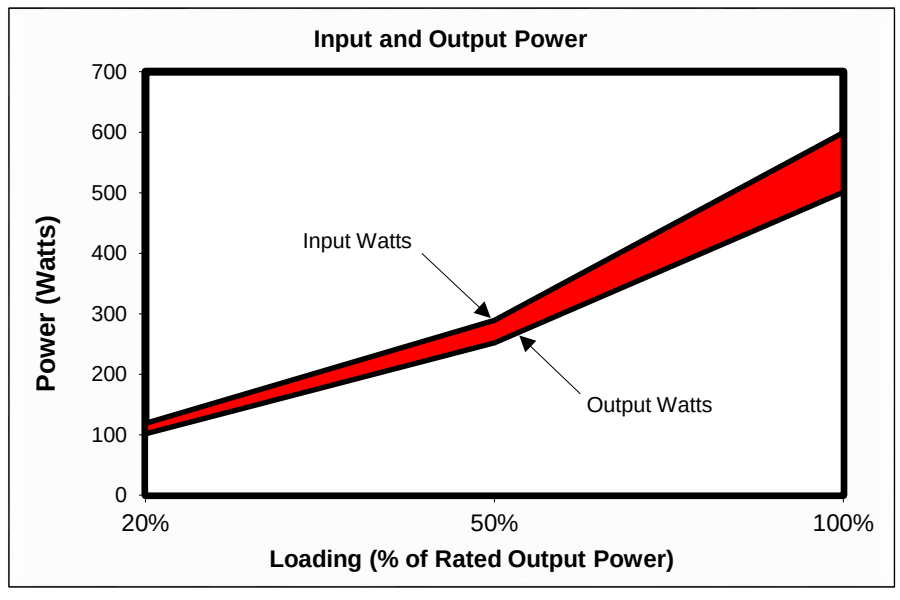
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3	Amps
Input Frequency	50-60	Hz
Rated Output Power	**500**	**Watts**

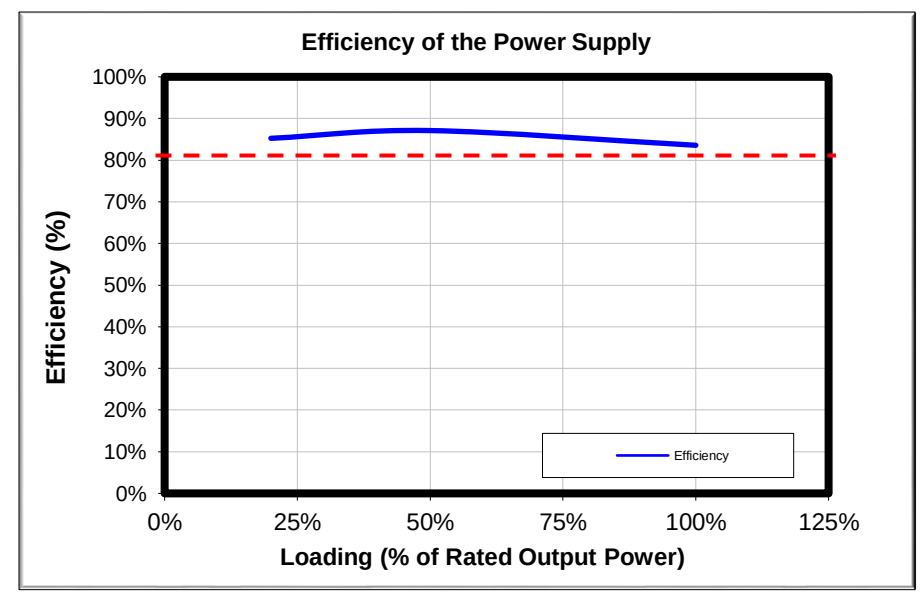
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 19.16%, 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		
0.57	0.98	9.98%	10%	63.53	12.08/3.39	11.97/0.02	3.38/0.98	5.05/0.98	5.13/0.2	50.44	**79.39%**
1.04	0.99	6.22%	20%	118.50	12.07/6.78	11.96/0.05	3.37/1.96	5.04/1.95	5.12/0.41	101.01	**85.24%**
2.57	0.98	19.16%	50%	289.30	12.03/17	11.98/0.12	3.36/4.89	5.02/4.85	5.08/1.01	251.98	**87.10%**
5.32	0.98	18.48%	100%	599.30	11.98/33.97	12.09/0.24	3.33/9.78	5/9.69	5/2.03	500.80	**83.56%**





PLUG LOAD solutions

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/*

80 PLUS®