

# 80 PLUS Verification and Testing Report

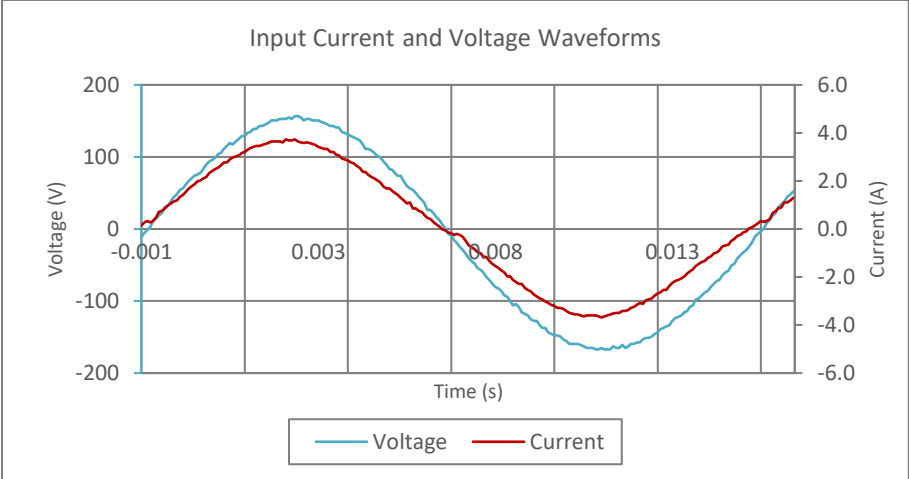
TYPICAL EFFICIENCY (50% Load):	89.27%
AVERAGE EFFICIENCY :	87.16%
80 PLUS COMPLIANT:	YES



ID Number	5668
Manufacturer	FSP Technology Inc.
Model Number	FSP500-50AGBAE
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	9/19/19

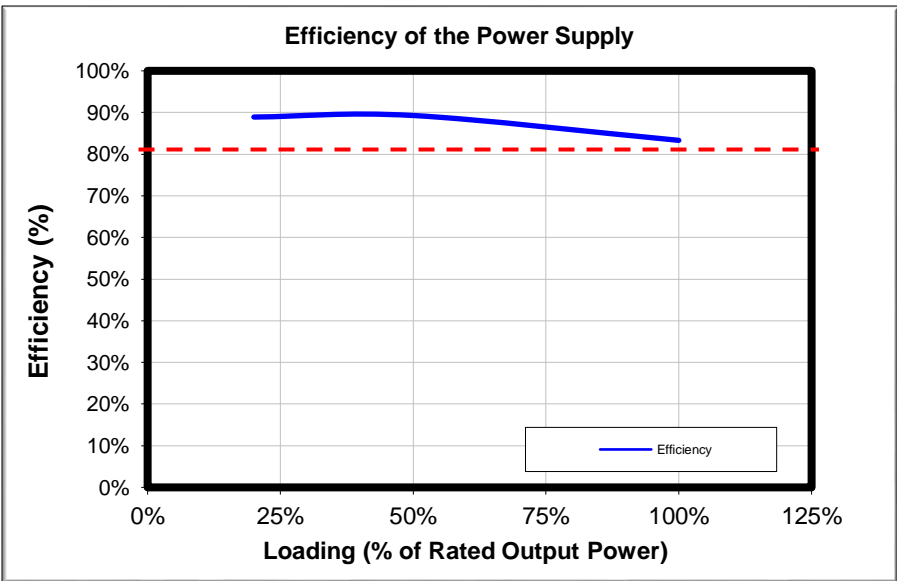
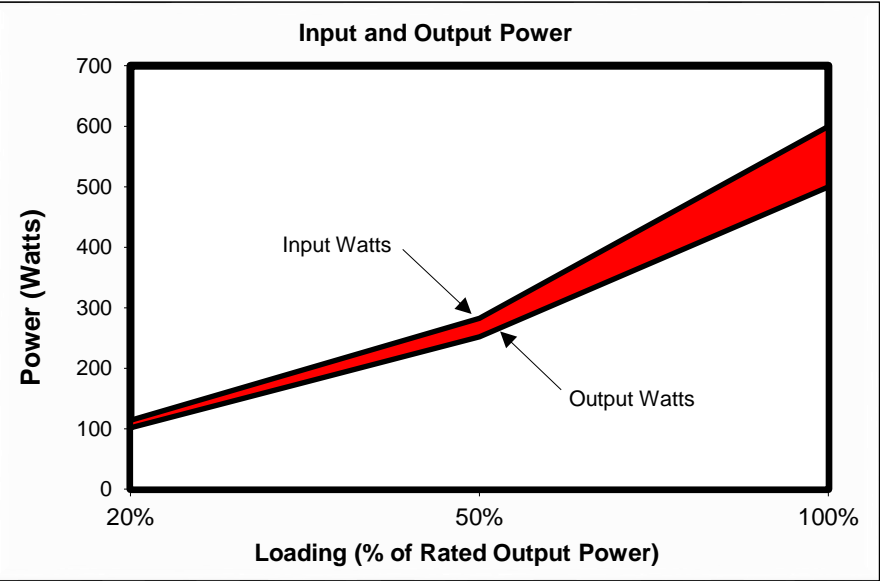
Rated Specifications	Value	Units
Input Voltage	100-127 / 220-240	Volts
Input Current	8/4	Amps
Input Frequency	60/50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 6.06%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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		
0.54	0.96	26.00%	10%	59.64	12.14/3.38	11.53/0.02	3.39/0.99	4.85/0.99	5.07/0.21	50.46	84.61%
1.01	0.98	18.40%	20%	113.54	12.12/6.77	11.52/0.05	3.39/1.98	4.84/1.97	5.07/0.41	100.94	88.91%
2.47	1.00	6.06%	50%	282.20	12.1/16.94	11.65/0.12	3.37/4.95	4.82/4.91	5.05/1.03	251.93	89.27%
5.23	1.00	4.58%	100%	599.60	12.02/33.81	11.99/0.25	3.33/9.92	4.77/9.82	5.02/2.06	499.54	83.31%



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/>

