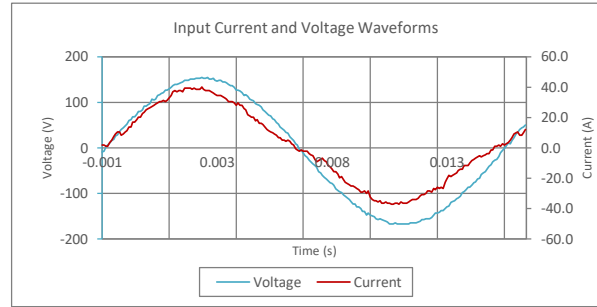


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.42%
AVERAGE EFFICIENCY :	89.22%
80 PLUS COMPLIANT:	YES



ID Number	5486.1
Manufacturer	Fractal Design
Model Number	FD-PSU-ION-SFX-500G-BK
Serial Number	N/A
Year	2019
Type	SFX
Test Date	2/5/19

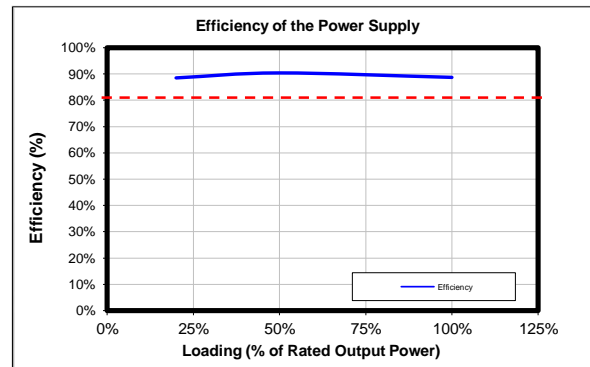
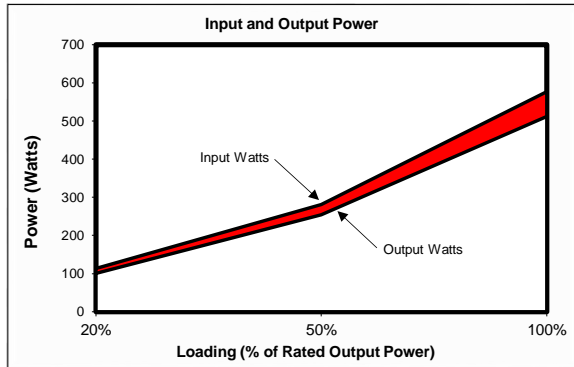


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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

Input AC Current Waveform (ITHD = 10.16%, 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
0.73	0.71	12.39%	10%	60.10	12.02/3.36		12.01/0.02	3.32/0.99	5.05/0.99	5.12/0.25	50.19	83.51%
1.14	0.87	8.55%	20%	114.00	12.06/6.74		11.98/0.05	3.32/1.97	5.04/1.96	5.11/0.49	100.92	88.52%
2.54	0.96	10.16%	50%	281.10	12.17/16.87		12.17/0.12	3.33/4.92	5.04/4.89	5.09/1.23	254.17	90.42%
5.11	0.98	10.74%	100%	576.90	12.27/33.71		12.47/0.25	3.35/9.88	5.04/9.78	5.05/2.46	511.84	88.72%



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/>

