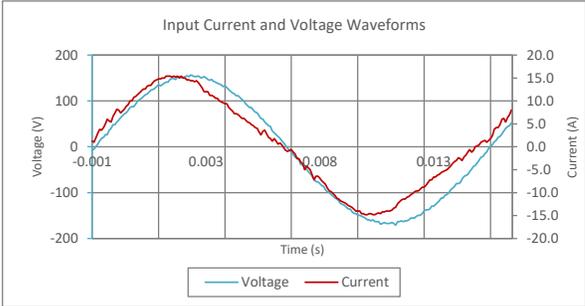


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>91.26%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.08%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5865
<b>Manufacturer</b>	In Win Development Inc.
<b>Model Number</b>	IP-AD200C7-2
<b>Serial Number</b>	N/A
<b>Year</b>	2020
<b>Type</b>	FLEX ATX.CUSTOM
<b>Test Date</b>	1/22/20

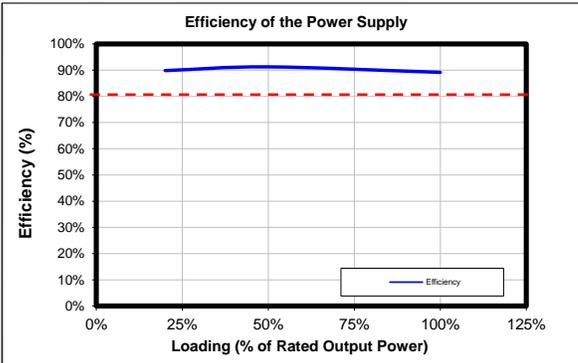
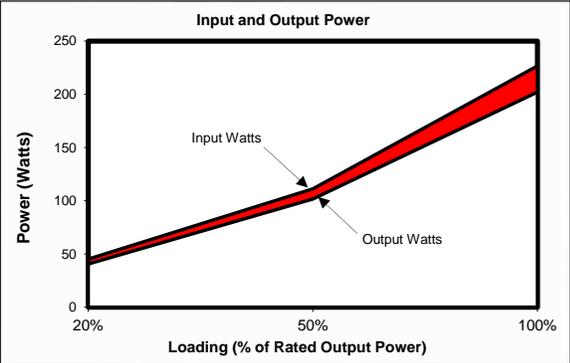


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3	Amps
Input Frequency	60/50	Hz
<b>Rated Output Power</b>	<b>200</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 9.82%, 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		
0.24	0.86	17.57%	10%	23.81	12.15/1.3	11.86/0.02	3.39/0.49	5.09/0.33	5.09/0.16	20.22	84.91%
0.42	0.94	10.64%	20%	45.20	12.15/2.61	11.84/0.05	3.38/0.98	5.09/0.65	5.07/0.33	40.60	89.83%
0.99	0.98	9.82%	50%	111.28	12.14/6.55	11.85/0.12	3.36/2.46	5.07/1.64	5.02/0.81	101.55	91.26%
2.00	0.99	9.40%	100%	226.70	12.12/13.08	11.81/0.24	3.33/4.9	5.03/3.24	4.95/1.63	202.12	89.16%



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/>

