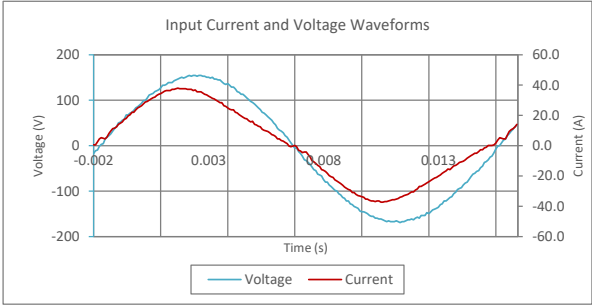


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>91.14%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>89.87%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	6001
<b>Manufacturer</b>	In Win Development Inc.
<b>Model Number</b>	IP-P500NQ3-2
<b>Serial Number</b>	N/A
<b>Year</b>	2020
<b>Type</b>	ATX12V
<b>Test Date</b>	6/24/20

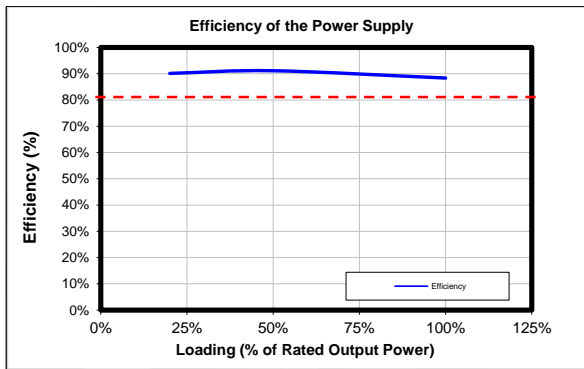
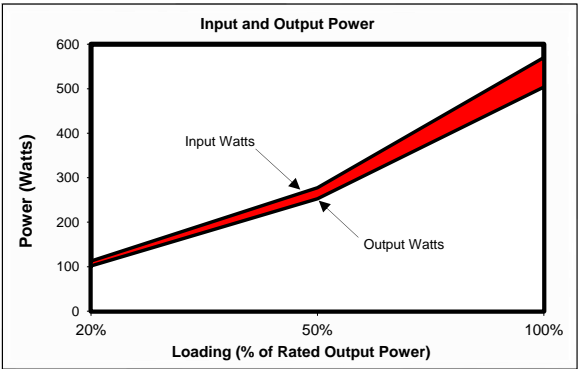


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	60-50	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 9.94%, 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
0.56	0.92	14.92%	10%	59.22	12.15/3.44		12.18/0.02	3.39/0.89	5.1/0.89	5.11/0.25	50.88	85.91%
1.01	0.97	9.86%	20%	112.67	12.13/6.87		11.96/0.05	3.38/1.78	5.09/1.77	5.1/0.49	101.54	90.12%
2.46	0.98	9.94%	50%	277.40	12.09/17.19		11.8/0.12	3.36/4.46	5.07/4.42	5.06/1.23	252.82	91.14%
5.01	0.99	9.41%	100%	570.20	12.06/34.35		11.93/0.25	3.34/8.93	5.03/8.83	4.98/2.47	503.78	88.35%



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/>

