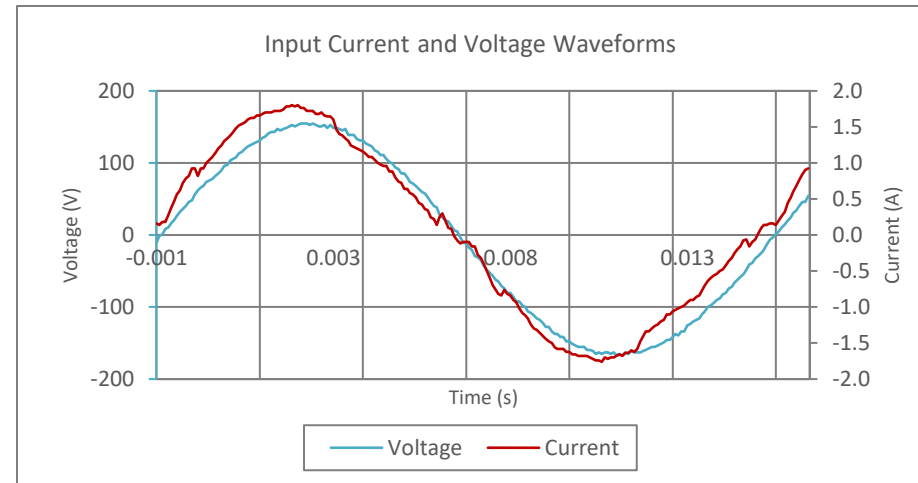


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.83%
AVERAGE EFFICIENCY :	89.50%
80 PLUS COMPLIANT:	YES



ID Number	5818
Manufacturer	In Win Development Inc.
Model Number	IP-P240BU7-2
Serial Number	N/A
Year	2019
Type	FLEX ATX
Test Date	12/12/19

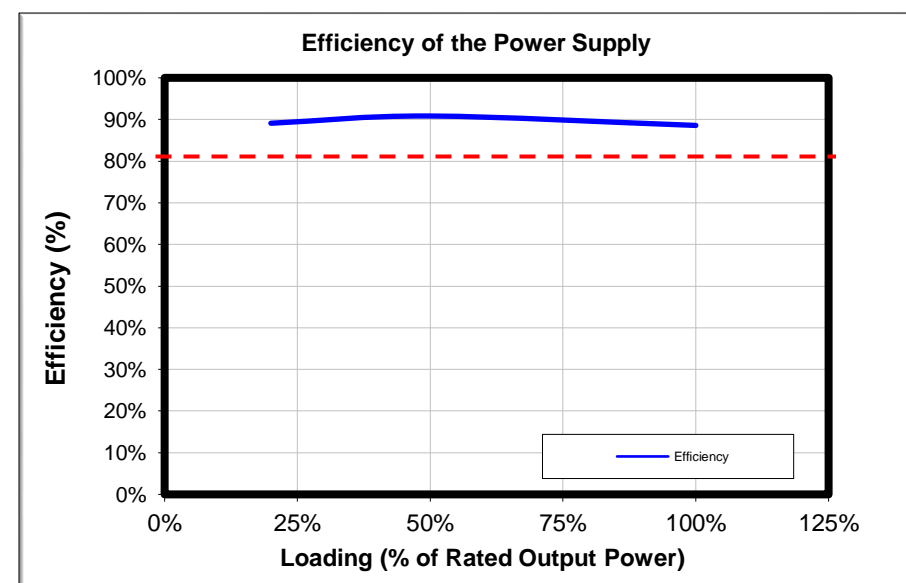
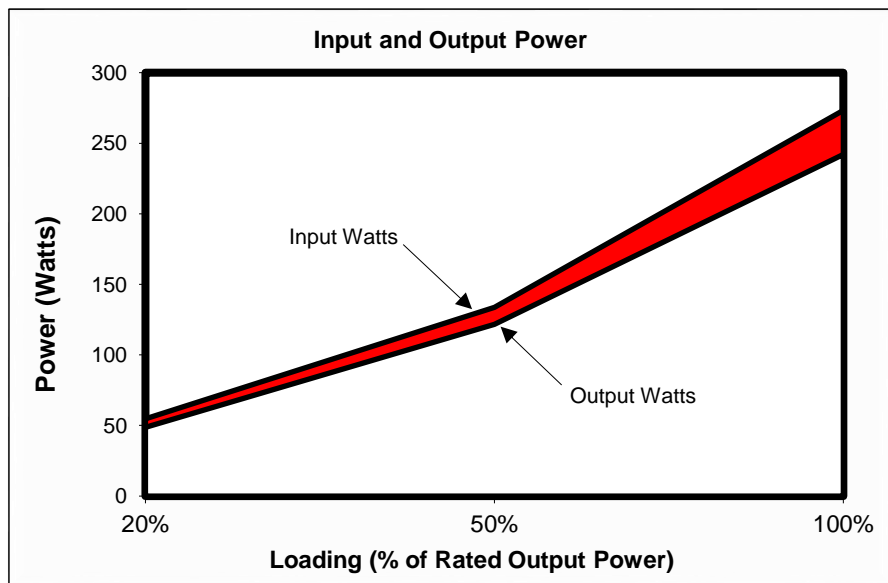


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	240	Watts

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

Input AC Current Waveform (ITHD = 8.4%, 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
0.28	0.89	16.77%	10%	28.75	12.13/1.5	11.99/0.02	3.38/0.54	5.14/0.54	5.06/0.23	24.24	84.31%
0.50	0.96	9.65%	20%	54.83	12.11/3.03	11.88/0.05	3.38/1.09	5.13/1.09	5.05/0.45	48.85	89.10%
1.18	0.99	8.40%	50%	133.82	12.08/7.58	11.86/0.11	3.38/2.72	5.12/2.7	5.02/1.13	121.55	90.83%
2.40	0.99	8.44%	100%	273.30	12.05/15.13	11.89/0.23	3.35/5.45	5.09/5.4	4.97/2.26	242.07	88.57%



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/>

