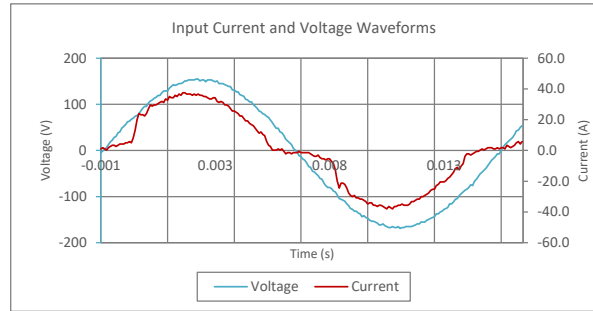


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.36%
AVERAGE EFFICIENCY :	84.68%
80 PLUS COMPLIANT:	YES



ID Number	5868
Manufacturer	ACBEL POLYTECH INC.
Model Number	API-5451B-SERIES
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	1/20/20

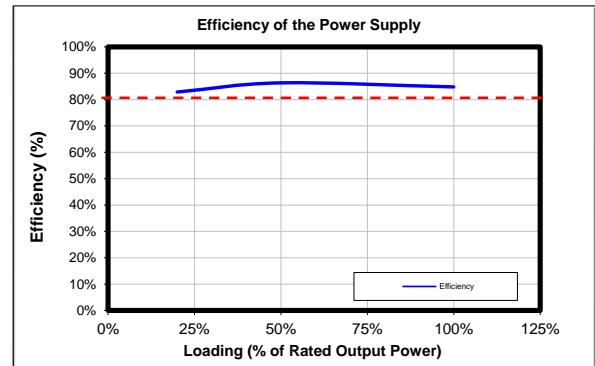
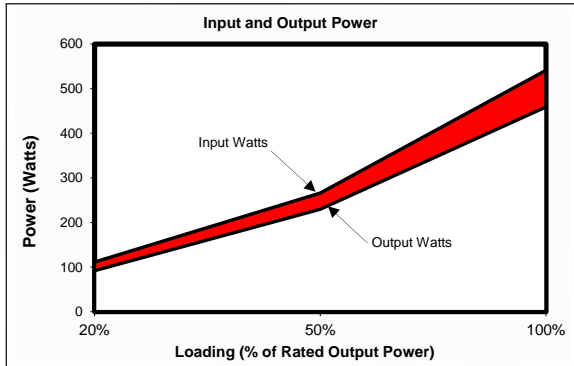


Input AC Current Waveform (ITHD = 21.6%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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

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		
0.54	0.96	17.11%	10%	59.36	12.17/3.04	11.45/0.03	3.43/0.86	5.15/0.86	5.16/0.22	45.80	77.16%
1.00	0.96	26.01%	20%	110.96	12.19/6.11	11.48/0.05	3.42/1.71	5.14/1.71	5.15/0.44	91.96	82.88%
2.38	0.97	21.60%	50%	265.90	12.2/15.25	11.48/0.13	3.41/4.28	5.13/4.24	5.12/1.11	229.62	86.36%
4.78	0.98	14.94%	100%	541.20	12.2/30.51	11.51/0.27	3.39/8.57	5.1/8.48	5.07/2.22	459.03	84.82%



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/>

