

# 80 PLUS Verification and Testing Report

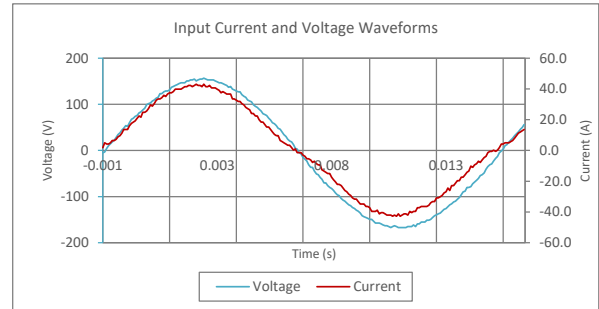
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.52%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>85.03%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5869
<b>Manufacturer</b>	ACBEL POLYTECH INC.
<b>Model Number</b>	API-5551B-SERIES
<b>Serial Number</b>	N/A
<b>Year</b>	2020
<b>Type</b>	ATX12V
<b>Test Date</b>	1/20/20

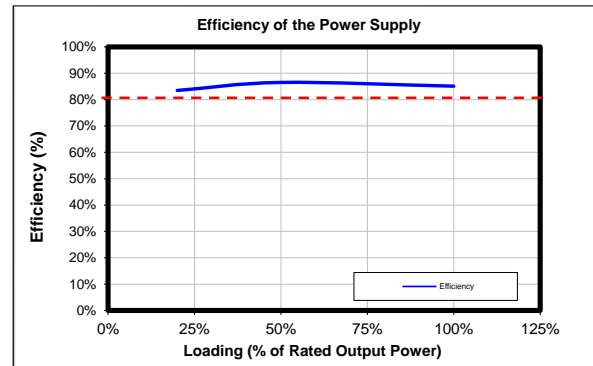
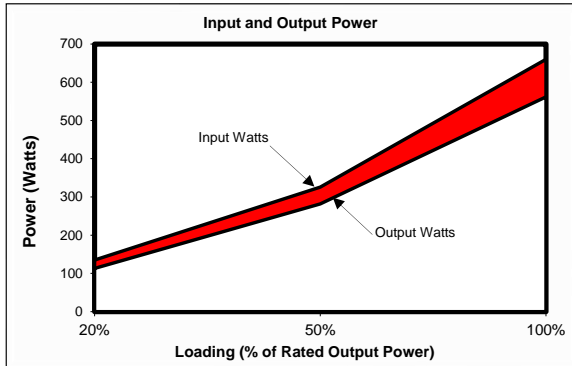
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>550</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 7.5%, 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		
0.66	0.97	14.05%	10%	73.40	12.28/3.74	11.56/0.03	3.42/1.06	5.15/1.06	5.17/0.22	56.50	76.97%
1.19	0.99	8.99%	20%	135.16	12.25/7.49	11.61/0.05	3.42/2.13	5.15/2.12	5.16/0.44	112.83	83.48%
2.85	0.99	7.50%	50%	325.70	12.24/18.73	11.86/0.13	3.42/5.31	5.14/5.28	5.14/1.1	281.79	86.52%
5.76	1.00	5.83%	100%	660.10	12.21/37.41	12.02/0.27	3.42/10.65	5.13/10.54	5.09/2.21	561.80	85.11%



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/>

