

80 PLUS Verification and Testing Report

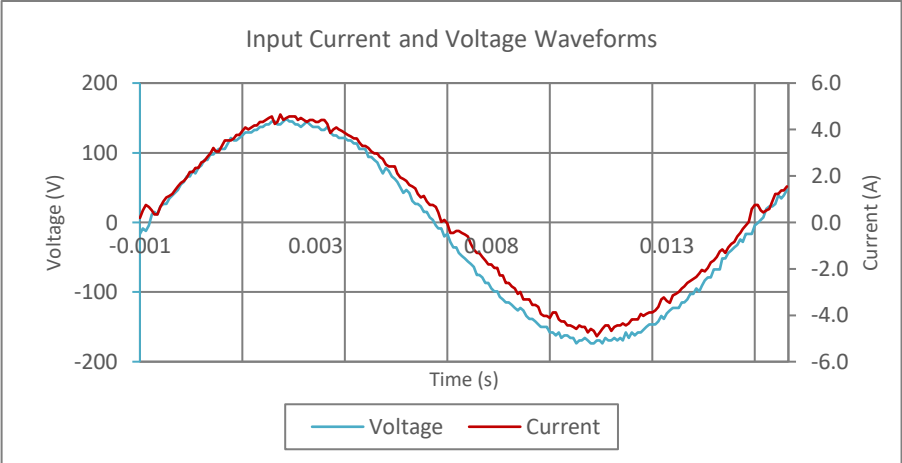
TYPICAL EFFICIENCY (50% Load):	92.01%
AVERAGE EFFICIENCY :	90.23%
80 PLUS COMPLIANT:	YES



ID Number	5604
Manufacturer	AcBel Polytech Inc.
Model Number	EP1A4651A
Serial Number	N/A
Year	2019
Type	1U
Test Date	7/11/19

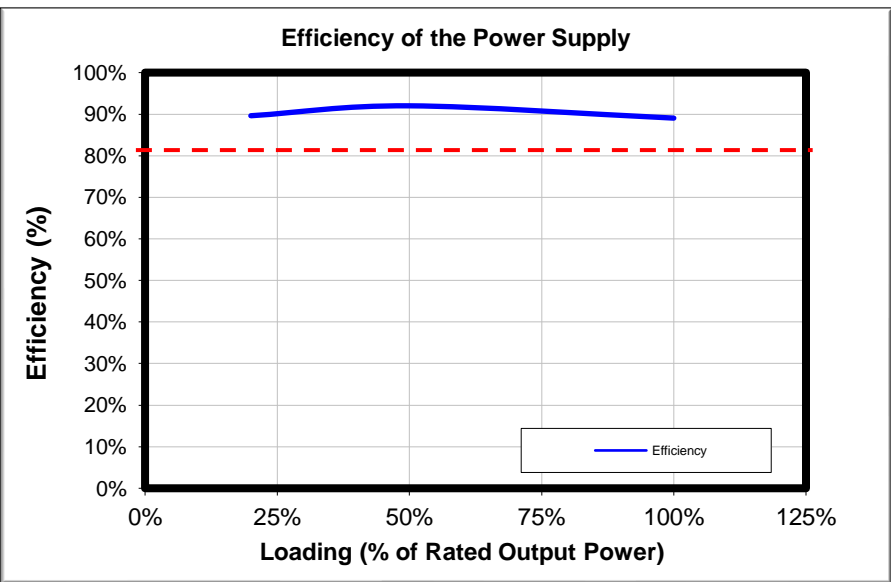
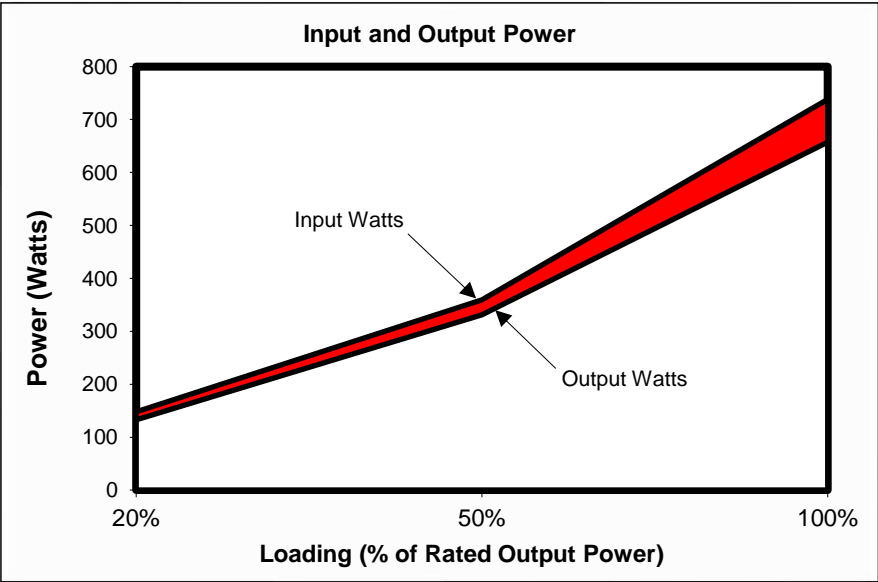
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50/60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 3.34%, 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.)		3.3V	5V			5Vsb
0.69	0.98	8.60%	10%	78.12	12.19/4.52		3.36/1.03	5.1/1.32	5.1/0.21	66.28	84.85%
1.29	1.00	5.92%	20%	147.90	12.18/9.04		3.36/2.06	5.1/2.62	5.1/0.42	132.55	89.62%
3.13	1.00	3.34%	50%	359.30	12.15/22.61		3.36/5.15	5.09/6.53	5.08/1.04	330.59	92.01%
6.43	1.00	3.02%	100%	738.20	12.11/45.09		3.35/10.31	5.07/13.05	5.05/2.08	657.39	89.05%



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/>

