

80 PLUS Verification and Testing Report

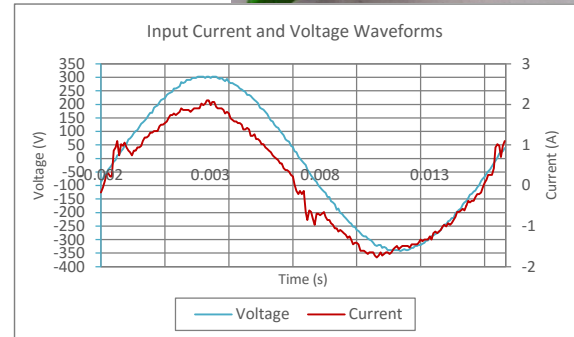
TYPICAL EFFICIENCY (50% Load):	94.18%
AVERAGE EFFICIENCY :	92.96%
80 PLUS COMPLIANT:	YES



ID Number	SO-1268
Manufacturer	Acbel Polytech, Inc.
Model Number	R1CA2551K
Serial Number	N/A
Year	2017
Type	1U, OTHER
Test Date	04/27/17

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3.5 - 7	Amps
Input Frequency	50/60	Hz
Rated Output Power	550	Watts

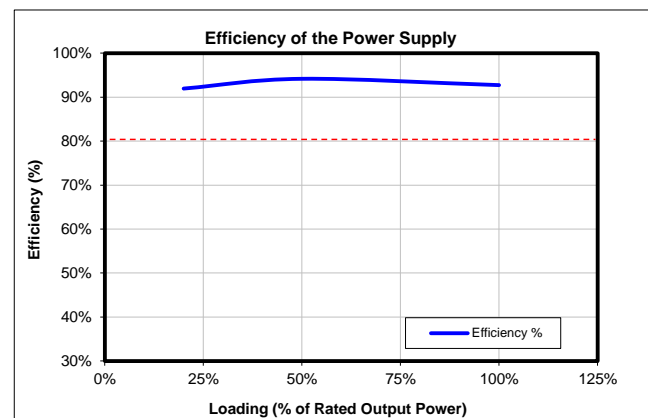
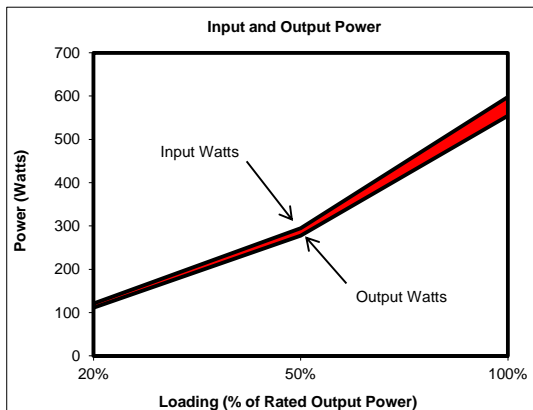
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.75%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12Vsb		
0.40	0.73	10.66	10%	Low	67	5.16	12.12/4.32	12.09/0.28	56	82.88%
0.64	0.82	7.78	20%	Light	121	5.16	12.11/8.62	12.07/0.57	111	91.96%
1.37	0.94	7.75	50%	Typical	295	5.16	12.09/21.56	12/1.42	278	94.18%
2.67	0.97	4.20	100%	Full	598	5.16	12.08/43.11	11.93/2.83	555	92.74%

* Fan power is not included in the efficiency calculations



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/>

