

80 PLUS Verification and Testing Report

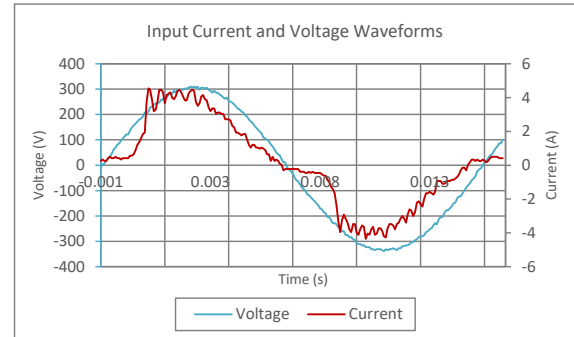
TYPICAL EFFICIENCY (50% Load):	96.22%
AVERAGE EFFICIENCY :	95.16%
80 PLUS COMPLIANT:	YES



ID Number	SO-1845
Manufacturer	AcBel Polytech Inc.
Model Number	SGK001
Serial Number	N/A
Year	2021
Type	2U
Test Date	01/27/21

Rated Specifications	Value	Units
Input Voltage	100-120/200-240	Volts
Input Current	12/7.1	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,100	Watts

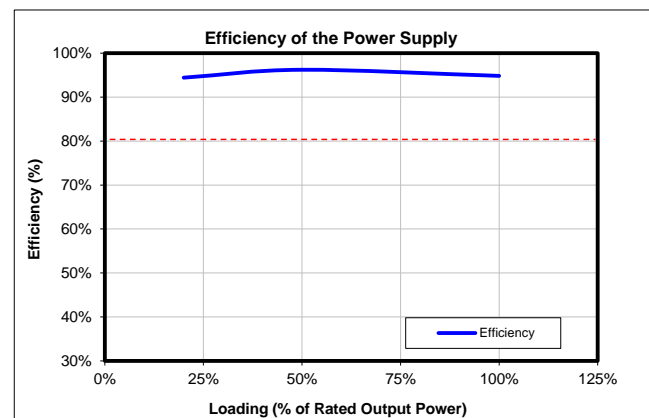
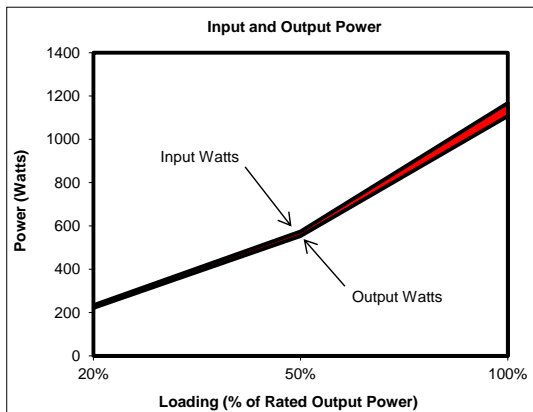
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 26.72%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12.25V	12Vsb		
0.57	0.91	23.74%	10%	Low	120	18.96	12.31/8.72	12.32/0.29	111	92.47%
1.06	0.96	18.95%	20%	Light	235	0.00	12.3/17.43	12.3/0.58	222	94.42%
2.62	0.95	26.72%	50%	Typical	575	18.84	12.29/43.58	12.29/1.46	553	96.22%
5.14	0.99	5.22%	100%	Full	1168	18.72	12.29/87.16	12.31/2.91	1107	94.83%

* 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/>