

# 80 PLUS Verification and Testing Report

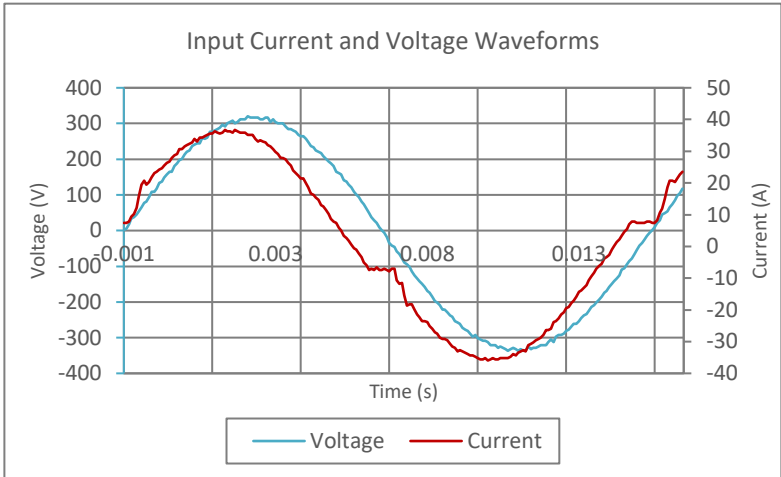
TYPICAL EFFICIENCY (50% Load):	93.02%
AVERAGE EFFICIENCY :	91.73%
80 PLUS COMPLIANT:	YES



ID Number	SO-1617
Manufacturer	KINTRON ELECTRONICS Co.,Ltd
Model Number	UA1-G1K0P
Serial Number	N/A
Year	2019
Type	1U
Test Date	11/01/19

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13-6	Amps
Input Frequency	47-63	Hz
Rated Output Power	1,000	Watts

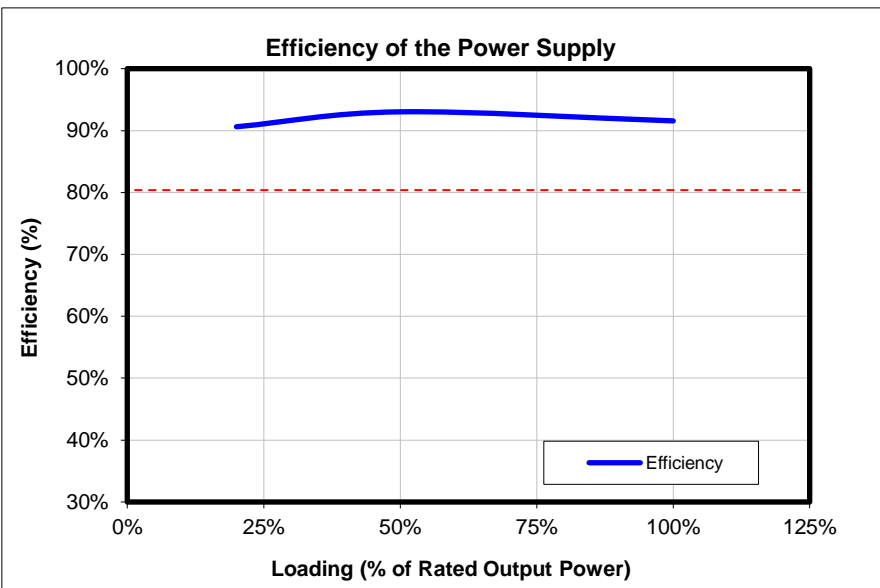
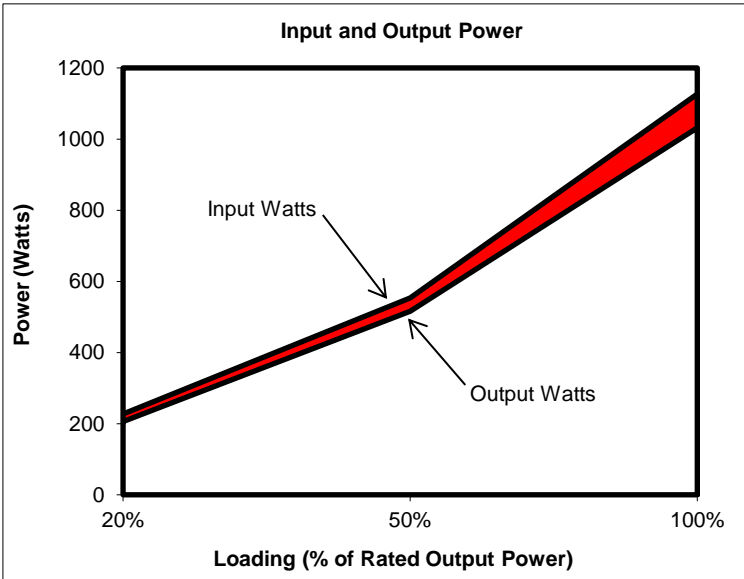
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 7.78%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V	5Vsb		
0.62	0.83	24.74%	10%	Low	119	0.92	12.32/8.2	5.18/0.35	103	86.16%
1.07	0.92	17.62%	20%	Light	227	2.58	12.33/16.42	5.16/0.69	206	90.61%
2.46	0.98	7.78%	50%	Typical	554	6.80	12.34/41.04	5.14/1.74	515	93.02%
4.92	0.99	3.78%	100%	Full	1127	12.96	12.35/82.08	5.05/3.48	1032	91.56%

\* 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/>

