

# 80 PLUS Verification and Testing Report

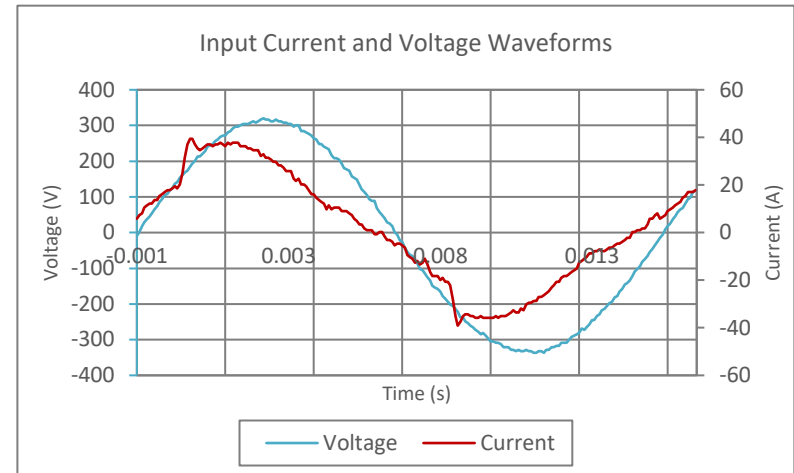
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.16%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.39%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1705
<b>Manufacturer</b>	Chicony Power Technology Co., Ltd.
<b>Model Number</b>	R20-1K0P1
<b>Serial Number</b>	F3A3202019000001
<b>Year</b>	2020
<b>Type</b>	1U
<b>Test Date</b>	05/28/20

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11.3-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,000	Watts

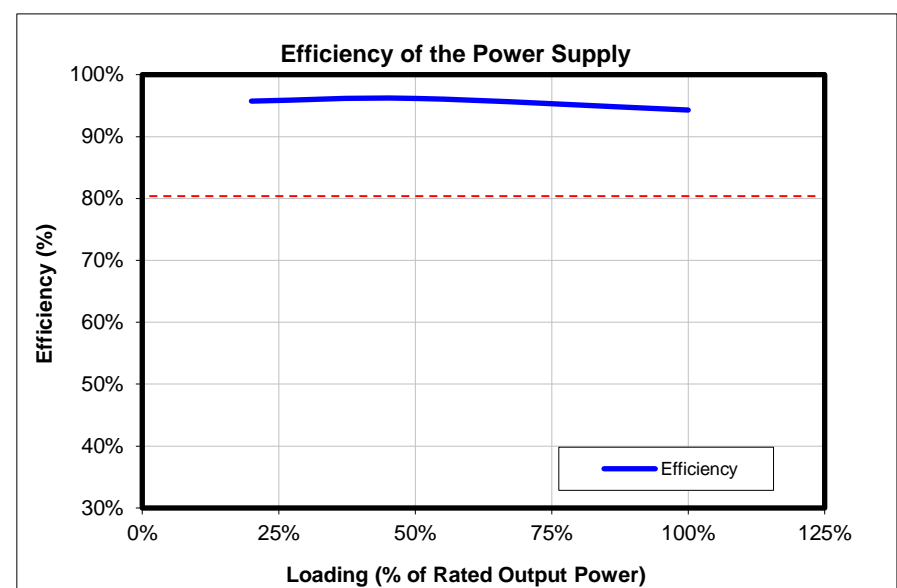
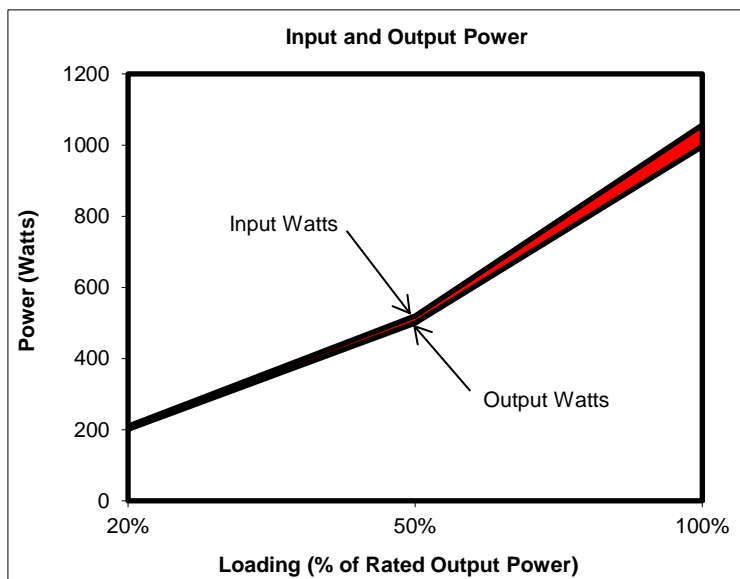
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 18.37%, 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		
0.53	0.88	18.28%	10%	Low	107	14.76	12.26/8.18	100	93.50%
0.98	0.93	22.89%	20%	Light	209	14.76	12.25/16.36	200	95.72%
2.35	0.96	18.37%	50%	Typical	520	14.52	12.22/40.9	500	96.16%
4.68	0.98	7.36%	100%	Full	1057	14.64	12.18/81.79	996	94.28%

\* 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/>

