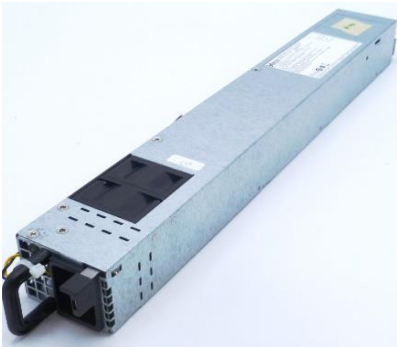


# 80 PLUS Verification and Testing Report

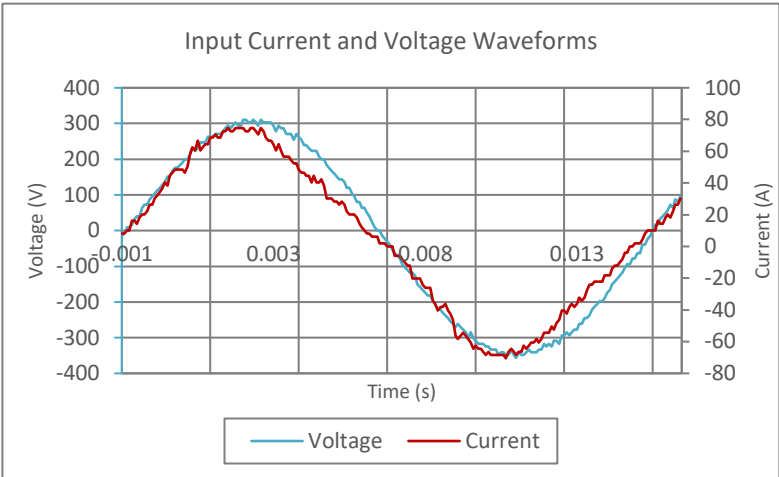
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.04%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>92.95%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1508
<b>Manufacturer</b>	3Y Power
<b>Model Number</b>	YSEC2000AM
<b>Serial Number</b>	N/A
<b>Year</b>	2019
<b>Type</b>	1U
<b>Test Date</b>	02/04/19

<b>Rated Specifications</b>	<b>Value</b>	<b>Units</b>
Input Voltage	100-120 / 200-240	Volts
Input Current	13/12.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>2,000</b>	<b>Watts</b>

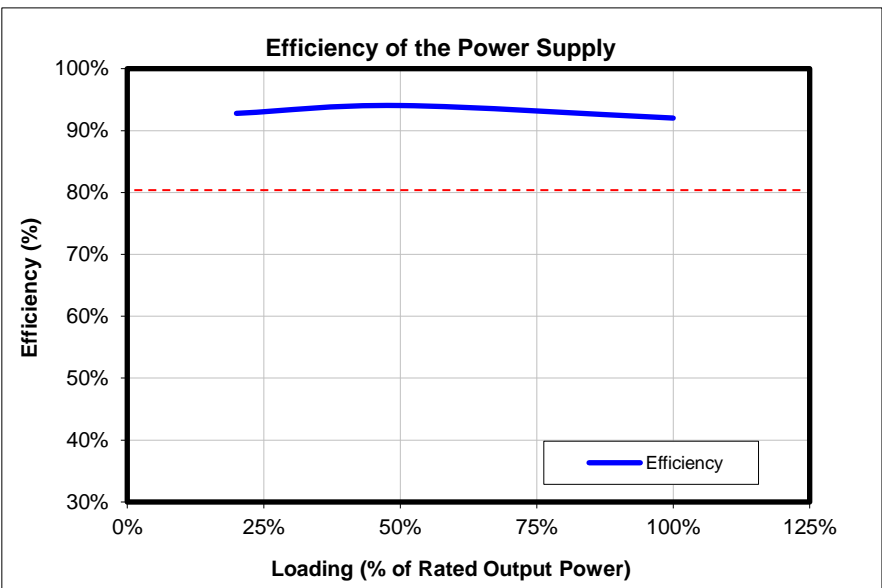
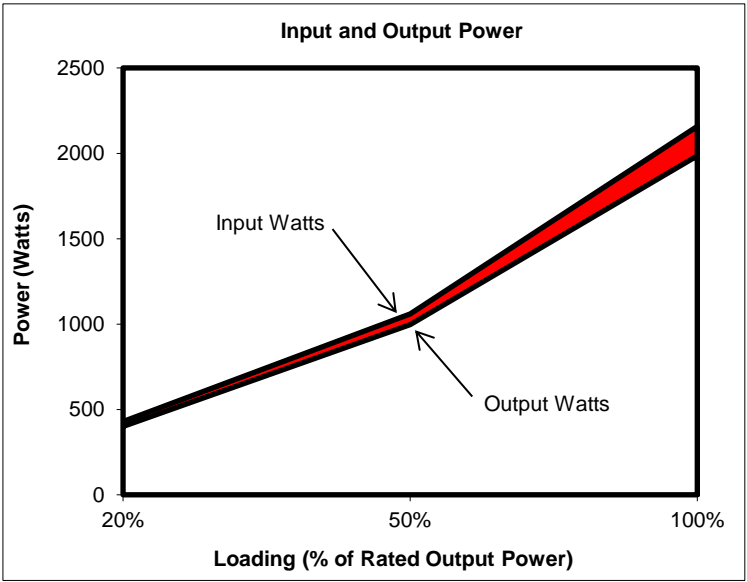
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 10.39%, 50% Load)

<b>I<sub>RMS</sub></b>	<b>PF</b>	<b>I<sub>THD</sub></b>	<b>Load</b>	<b>Fraction of Load</b>	<b>Input Watts</b>	<b>External Fan (W)*</b>	<b>DC Terminal Voltage (V)/ DC Load Current (A)</b>		<b>Output Watts</b>	<b>Efficiency</b>
							<b>12.2V</b>	<b>5Vsb</b>		
1.04	0.95	17.17%	10%	Low	227	23.16	12.15/16.24	5.08/0.49	200	88.18%
1.92	0.95	13.49%	20%	Light	430	23.16	12.14/32.46	5.06/0.99	399	92.78%
4.65	0.99	10.39%	50%	Typical	1059	0.00	12.12/81.14	4.99/2.48	996	94.04%
9.44	0.99	6.63%	100%	Full	2158	22.80	12.09/162.27	4.89/4.97	1985	92.02%

\* 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/>

