

# 80 PLUS Verification and Testing Report

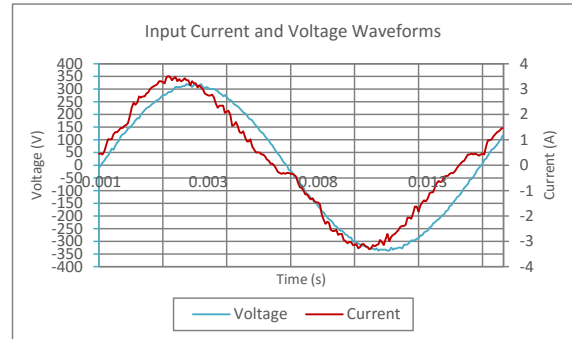
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.40%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.06%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1307.3
<b>Manufacturer</b>	3Y Power
<b>Model Number</b>	JL559A
<b>Serial Number</b>	N/A
<b>Year</b>	2017
<b>Type</b>	OTHER
<b>Test Date</b>	08/25/17

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-7	Amps
Input Frequency	50-60	Hz
Rated Output Power	900	Watts

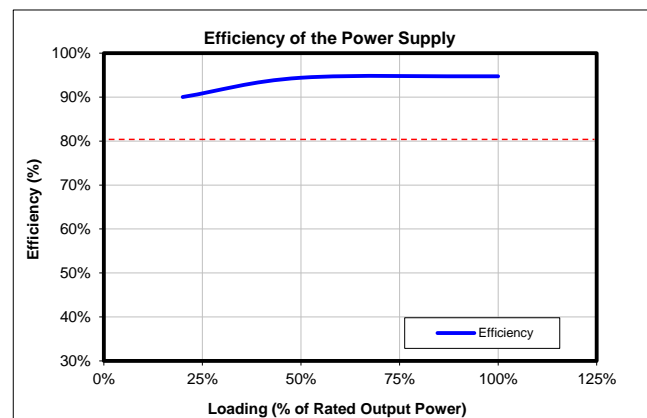
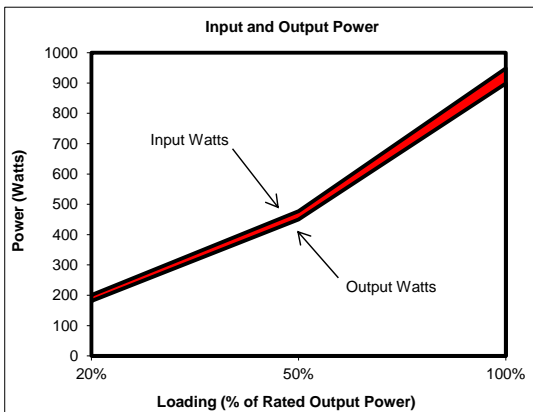
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 12.3%, 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
							54.5V	12Vsb		
0.59	0.79	28.05%	10%	Low	108	0.00	54.45/1.44	11.99/1.01	90	83.79%
0.98	0.89	24.14%	20%	Light	201	0.00	54.43/2.87	11.98/2.01	181	90.03%
2.16	0.96	12.30%	50%	Typical	477	0.00	54.37/7.18	11.96/5.03	450	94.40%
4.18	0.99	7.64%	100%	Full	948	0.00	54.25/14.35	11.92/10.05	898	94.73%

\* 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/>

