

80 PLUS Verification and Testing Report

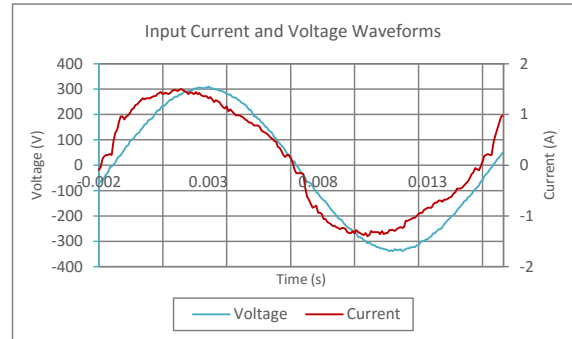
TYPICAL EFFICIENCY (50% Load):	94.20%
AVERAGE EFFICIENCY :	92.67%
80 PLUS COMPLIANT:	YES



ID Number	SO-1292.3
Manufacturer	3Y Power
Model Number	YM-2451A
Serial Number	TP000V041717000008
Year	2017
Type	1U
Test Date	06/07/17

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-3	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

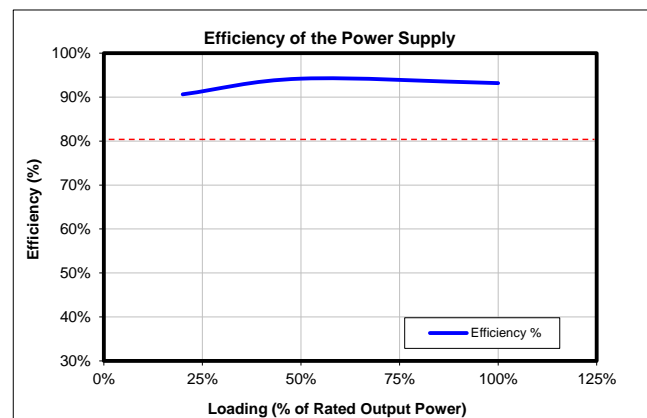
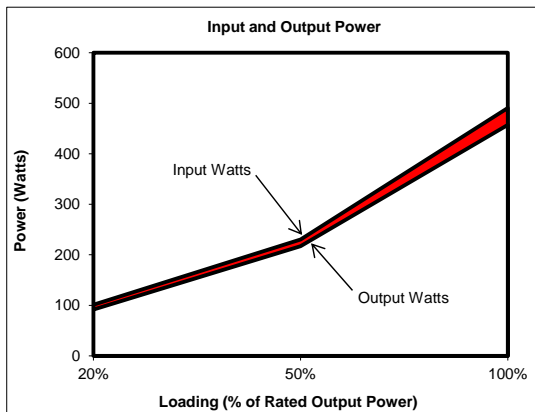
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 12.74%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	3.3Vsb		
0.34	0.69	19.63	10%	Low	54	1.92	12.03/3.76	3.33/0.2	46	85.57%
0.53	0.83	17.71	20%	Light	101	1.92	12.02/7.52	3.33/0.4	92	90.63%
1.07	0.94	12.74	50%	Typical	230	1.92	12.01/17.8	3.31/1.01	217	94.20%
2.18	0.98	2.71	100%	Full	491	7.20	11.99/37.59	3.29/2.01	457	93.18%

* 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/>

