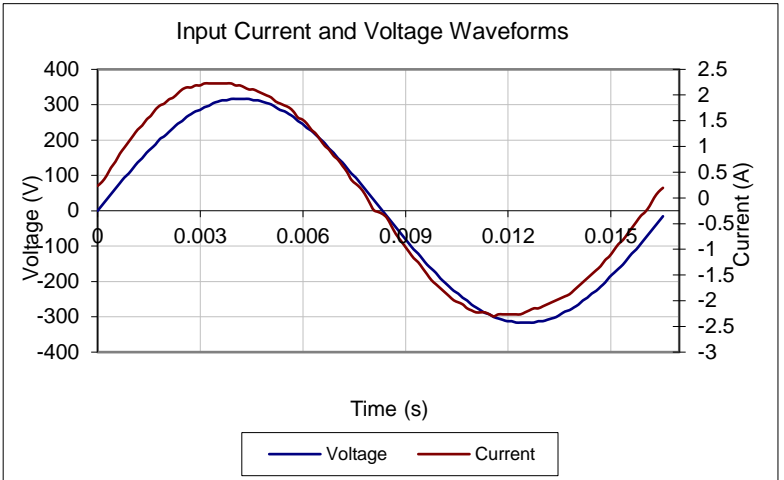


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.10%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.07%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1224
<b>Manufacturer</b>	SOLUM CO., LTD
<b>Model Number</b>	PWS-802A-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2017
<b>Type</b>	1U
<b>Test Date</b>	01/10/17



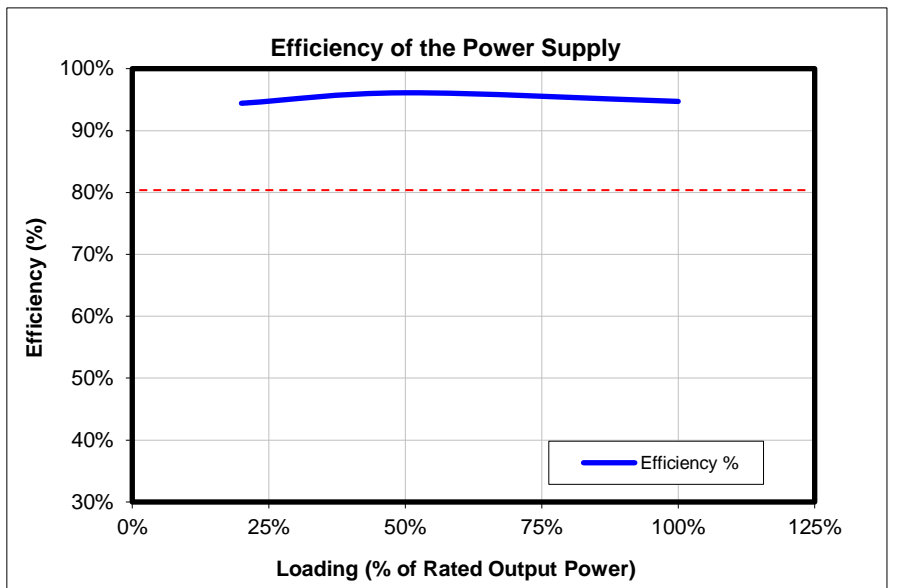
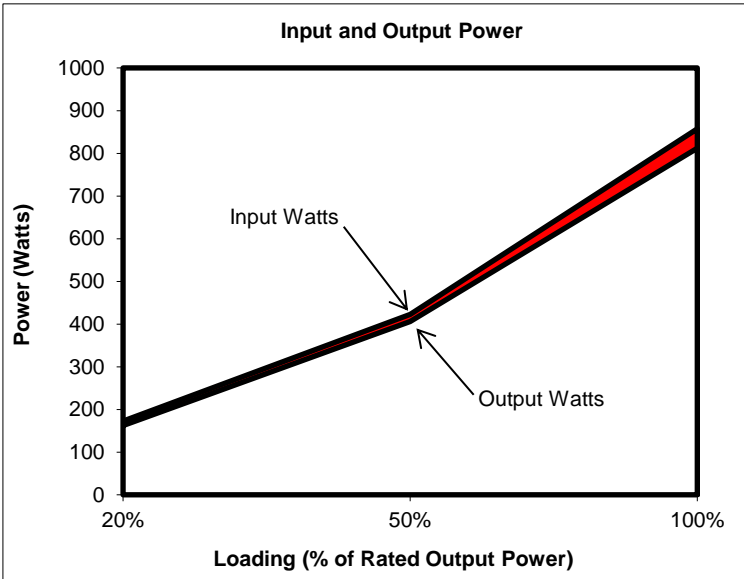
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>800</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 3.06%, 50% Load)

I <sub>RMS</sub> A	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		
0.43	0.90	13.91	10%	Low	90	3.24	12.16/6.52	5.1/0.4	81	90.57%
0.78	0.97	4.26	20%	Light	172	3.24	12.16/13.04	5.1/0.79	163	94.41%
1.86	0.99	3.06	50%	Typical	423	3.24	12.16/32.59	5.08/1.98	406	96.10%
3.75	1.00	2.20	100%	Full	857	5.64	12.15/65.2	5.05/3.96	812	94.71%

\* 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/>

