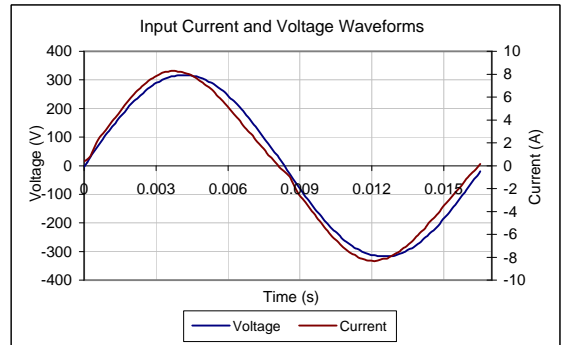


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.40%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>91.10%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	SO-62.1
<b>Manufacturer</b>	COMPUWARE TECHNOLOGY INC.
<b>Model Number</b>	CPR-1221-1M2LF
<b>Serial Number</b>	N/A
<b>Year</b>	SO-62.1
<b>Type</b>	1U
<b>Test Date</b>	4/17/2009



Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-5	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>1,200</b>	<b>Watts</b>

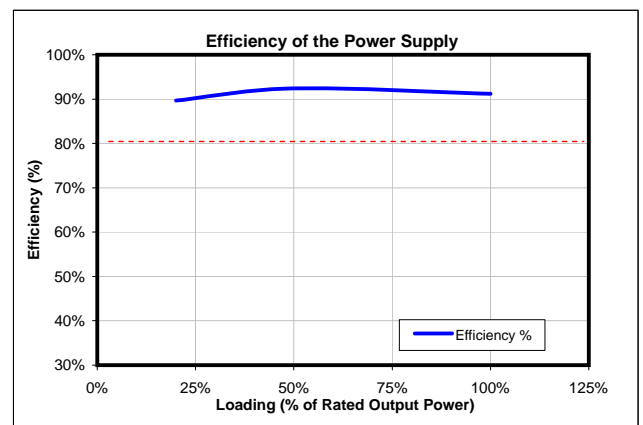
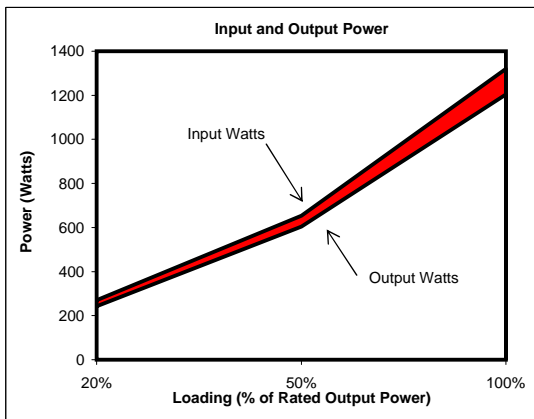
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 5.3%, 100% 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		
0.78	0.80	26.54	*10%	Low	143	0.00	12.09/9.86	5.08/0.39	121	84.71%
1.27	0.92	15.65	20%	Light	270	0.00	12.09/19.69	5.07/0.79	242	89.67%
2.90	0.98	8.56	50%	Typical	654	0.00	12.07/49.2	5.04/1.98	604	92.40%
5.78	0.99	5.30	100%	Full	1320	0.00	12.04/98.39	4.98/3.94	1204	91.22%

\* 10% load results are for informative purposes only and not included in certification requirements.

\*\* 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/>

