

# 80 PLUS Verification and Testing Report

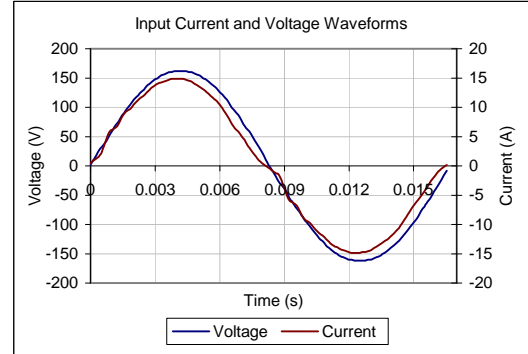
TYPICAL EFFICIENCY (50% Load):	87.43%
AVERAGE EFFICIENCY :	85.56%
80 PLUS COMPLIANT:	YES



Ecos ID #	1176.1
Manufacturer	2 THE MAX
Model Number	VORTEX C1000
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	12/2/2008

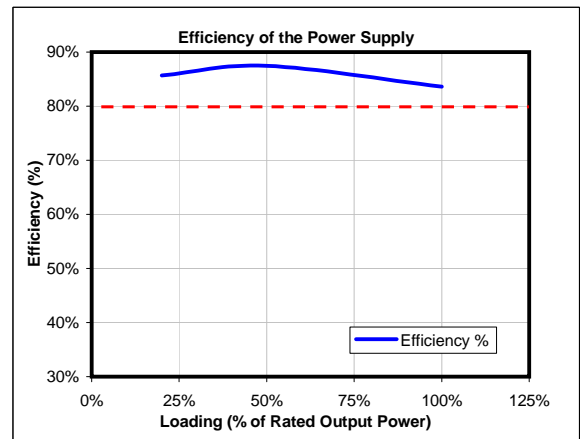
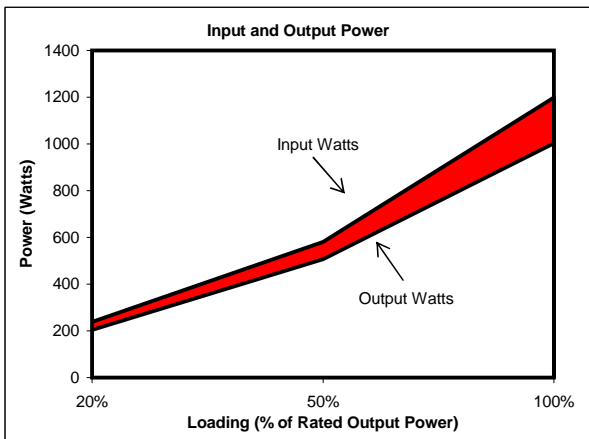
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	15-10	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 10.45%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
2.17	0.96	20.3%	20%	Light	239	12.3/14	11.9/0.1	3.4/3.3	5.1/3.3	5.1/0.7	205	85.67%
5.11	0.99	10.5%	50%	Typical	580	12.2/34.9	11.9/0.3	3.4/8.4	5/8.3	5/1.7	507	87.43%
10.46	1.00	5.8%	100%	Full	1199	12/69.7	11.9/0.7	3.3/16.7	5/16.7	4.9/3.5	1002	83.60%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS<sup>®</sup> 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/>

