

# 80 PLUS Verification and Testing Report

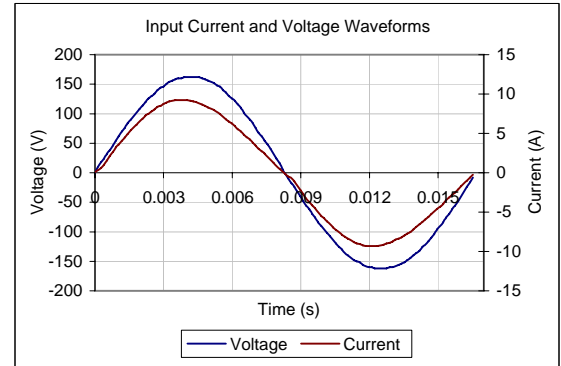
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.63%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.49%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	591
<b>Manufacturer</b>	CORSAIR
<b>Model Number</b>	CMPSU-620HX
<b>Serial Number</b>	R0710AA167186
<b>Year</b>	2008
<b>Type</b>	ATX12V & EPS12V
<b>Test Date</b>	3/4/2008

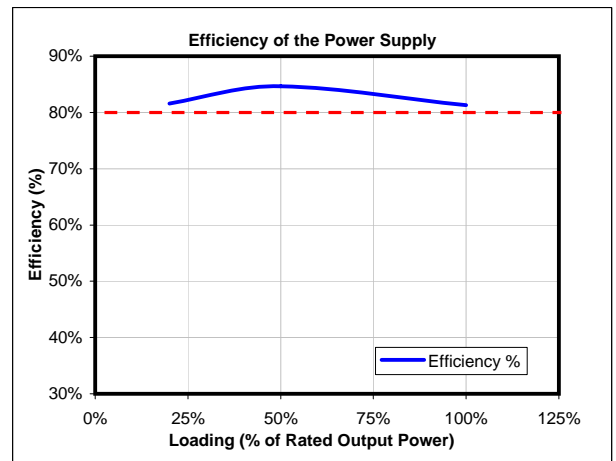
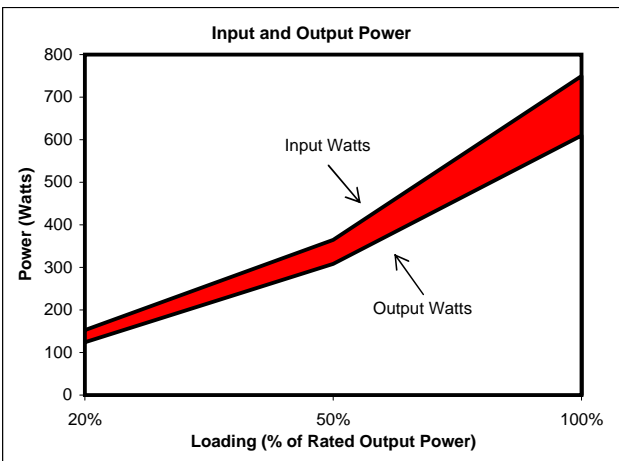
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>620</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 5.38%, 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
1.34	0.99	8.0%	20%	Light	152	12/7.8	12/0.1	3.3/2.8	5/3.5	4.9/0.5	124	81.57%
3.18	1.00	5.4%	50%	Typical	364	11.9/19.6	12/0.3	3.3/6.9	4.9/8.7	4.8/1.2	308	84.63%
6.53	1.00	4.9%	100%	Full	750	11.8/39.1	11.9/0.6	3.2/13.8	4.8/17.3	4.7/2.3	609	81.28%



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/>

