

## 80 PLUS Verification and Testing Report

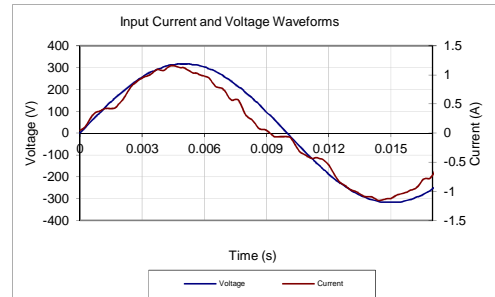
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>89.48%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.88%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	EU-048
<b>Manufacturer</b>	LC-Power
<b>Model Number</b>	LC420-12 V2.31
<b>Serial Number</b>	N/A
<b>Year</b>	2014
<b>Type</b>	ATX12V,EPS12V
<b>Test Date</b>	10/14/14

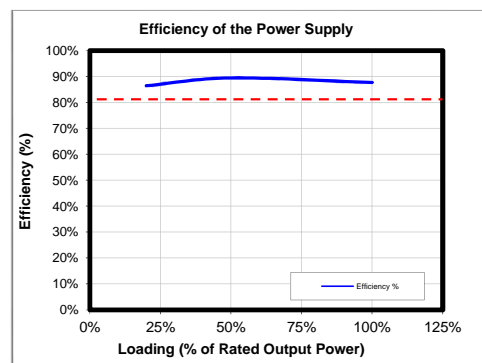
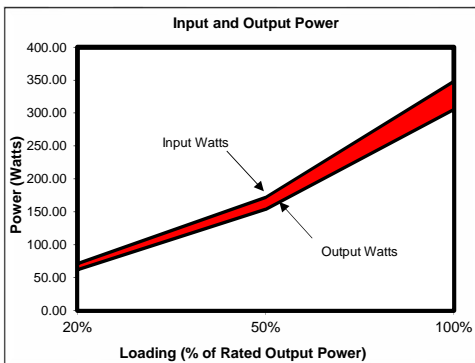
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	3	Amps
Input Frequency	50	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 13.51%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
0.21	0.76	25.09%	10%	37.66	12.3/1.6	11.4/0	3.4/1.3	5.2/0.9	5/0.2	30.75	81.65%
0.34	0.92	15.49%	20%	71.27	12.3/3.3	11.4/0.1	3.4/2.6	5.1/1.8	5/0.4	61.60	86.44%
0.76	0.98	13.51%	50%	171.60	12.3/8.2	11.4/0.2	3.3/6.4	5.1/4.6	5/1.1	153.54	89.48%
1.53	0.99	9.91%	100%	348.20	12.3/16.4	11.4/0.4	3.3/12.8	5.1/9.1	5/2.1	305.42	87.71%



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/>

