

## 80 PLUS Verification and Testing Report

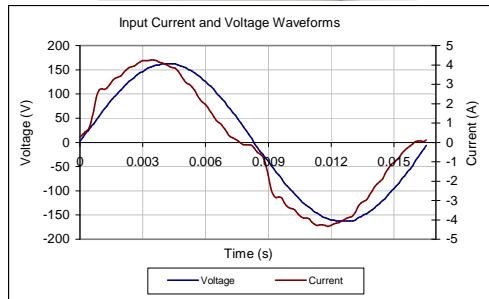
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.43%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.68%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	2418
<b>Manufacturer</b>	High Power Electronics Co., Ltd.
<b>Model Number</b>	HPC-550-B14S(C)
<b>Serial Number</b>	N/A
<b>Year</b>	2011
<b>Type</b>	ATX12V
<b>Test Date</b>	1/20/2011

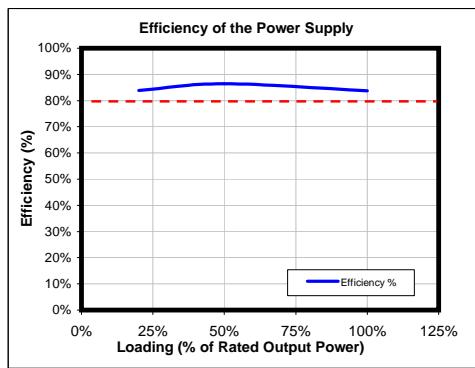
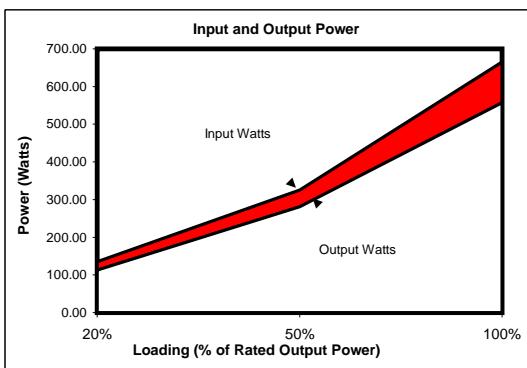
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		10	Amps
Input Frequency		50-60	Hz
<b>Rated Output Power</b>		<b>550</b>	Watts

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



Input AC Current Waveform (ITHD = 12.36%, 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)				Efficiency %		
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V			
1.30	0.91	28.05%	20%	Light	134.95	12.3/6.9	12/0	3.4/2.8	5.2/2.9	5.1/0.5	113.12	83.82%
2.94	0.96	12.36%	50%	Typical	325.40	12.2/17.3	12/0.1	3.4/7.1	5.2/7.1	5.1/1.4	281.25	86.43%
5.85	0.99	7.20%	100%	Full	664.80	12.1/34.6	12.1/0.3	3.4/14.1	5.1/14.2	5/2.7	557.05	83.79%



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/>

