

# 80 PLUS Verification and Testing Report

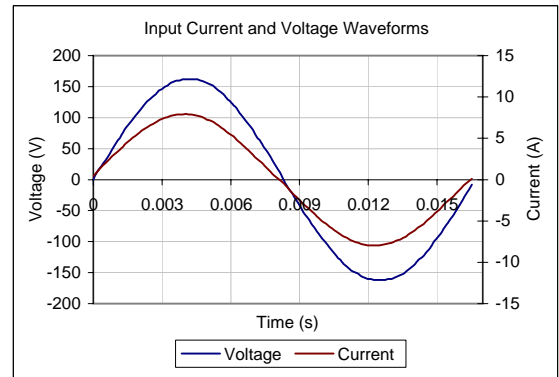
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.61%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.11%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	467.1
<b>Manufacturer</b>	Rosewill
<b>Model Number</b>	RG530-2
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	EPS12V
<b>Test Date</b>	12/13/2007

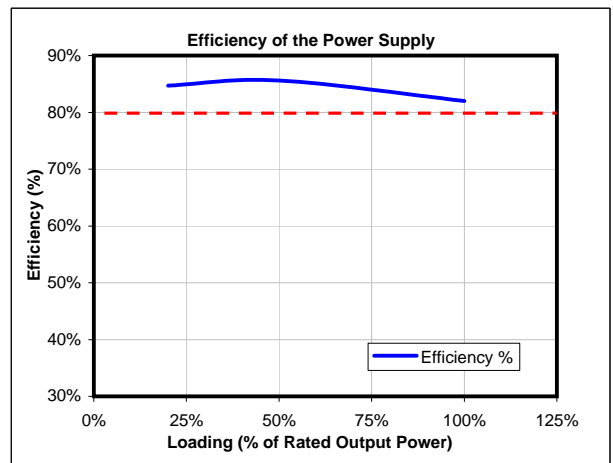
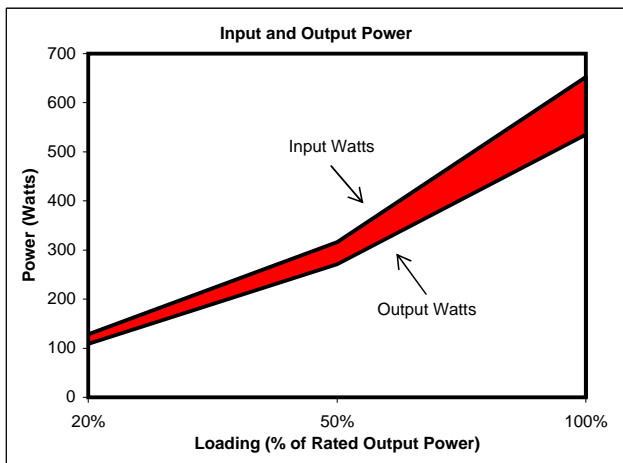
<b>Rated Specifications</b>	<b>Value</b>	<b>Units</b>
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>530</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 5.5%, 50% Load)

<b>I<sub>RMS</sub> A</b>	<b>PF</b>	<b>I<sub>THD</sub> (%)</b>	<b>Load (%)</b>	<b>Fraction of Load</b>	<b>Input Watts</b>	<b>DC Terminal Voltage (V)/ DC Load Current (A)</b>					<b>Output Watts</b>	<b>Efficiency %</b>
						<b>12V (cumulative of 12V1, 12V2, etc.)</b>	<b>-12V</b>	<b>3.3V</b>	<b>5V*</b>	<b>5VSB</b>		
1.14	0.98	7.8%	20%	Light	129	12.4/6.7	12.2/0.1	3.4/2.7	5/2.7	5/0.5	109	84.72%
2.78	0.99	5.5%	50%	Typical	316	12.3/16.6	12.2/0.2	3.3/6.8	4.9/6.8	4.9/1.2	271	85.61%
5.69	1.00	2.4%	100%	Full	652	12.3/33.3	12.3/0.5	3.2/13.6	4.8/13.6	4.8/2.5	535	82.01%



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/>

