

# 80 PLUS Verification and Testing Report

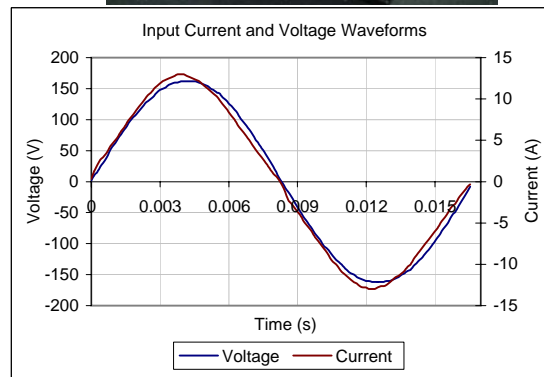
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.55%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.56%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	644.1
<b>Manufacturer</b>	TUNIQ
<b>Model Number</b>	PSU-RIP850(-EUAP)-BK
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	5/8/2008

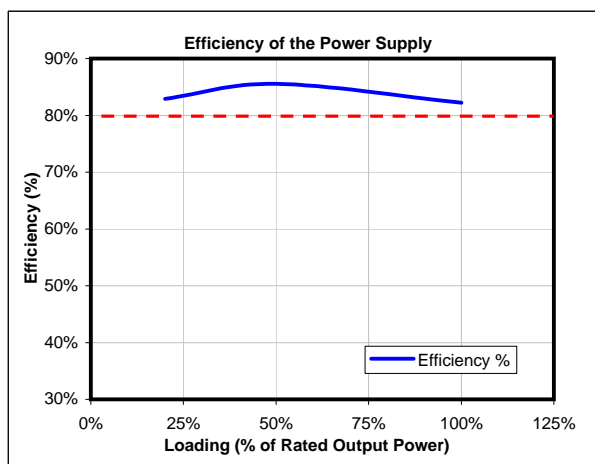
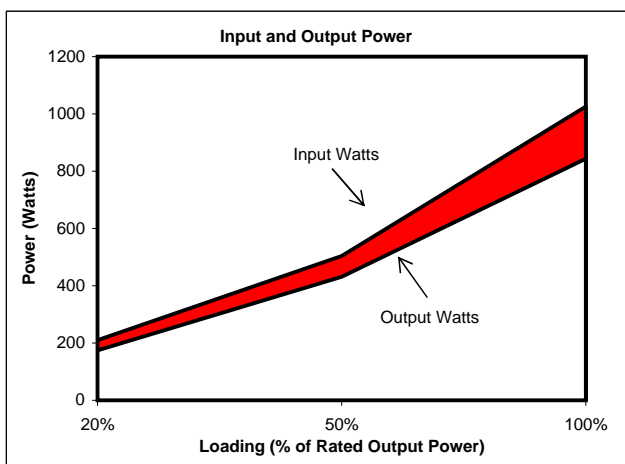
<b>Rated Specifications</b>	<b>Value</b>	<b>Units</b>
Input Voltage	100-240	Volts
Input Current	11	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>850</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.58%, 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>		
1.86	0.98	5.5%	20%	Light	210	12.3/11.2	12/0.1	3.4/3.7	5.1/4	5.1/0.5	174	82.91%
4.40	0.99	4.6%	50%	Typical	504	12.2/27.9	12.1/0.4	3.3/9.2	5/9.9	5/1.3	431	85.55%
8.95	1.00	4.5%	100%	Full	1026	12/55.7	12.1/0.7	3.1/18.3	4.9/19.7	4.9/2.7	844	82.22%



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/>

