

## 80 PLUS Verification and Testing Report

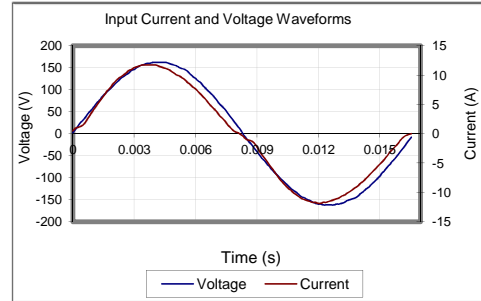
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>88.83%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>86.76%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	1213.1
<b>Manufacturer</b>	Tacens
<b>Model Number</b>	Radix VII AG 800
<b>Serial Number</b>	N/A
<b>Year</b>	2009
<b>Type</b>	ATX12V & EPS12V
<b>Test Date</b>	1/8/2009

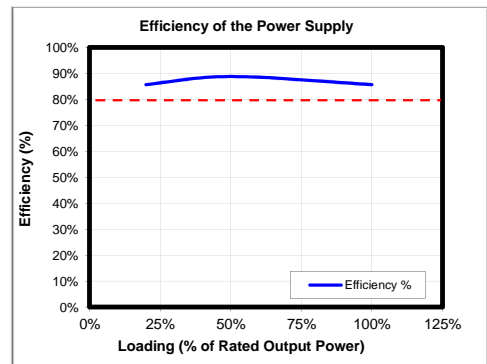
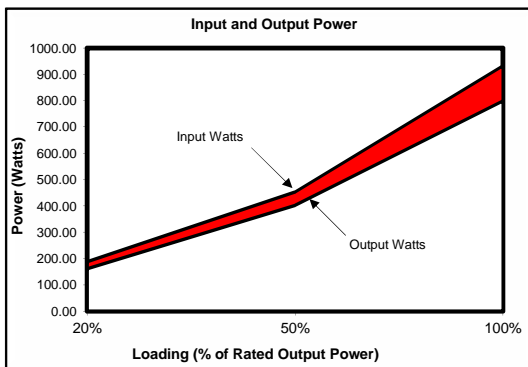
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>800</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 10.15%, 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		
1.67	0.98	15.56%	20%	Light	187.90	12/11	12/0.1	3.3/2.6	5.1/3.2	5/0.5	161.06	85.71%
3.97	0.99	10.15%	50%	Typical	452.60	12/27.5	12/0.2	3.3/6.5	5.1/8.1	5/1.3	402.06	88.83%
8.15	0.99	7.89%	100%	Full	932.40	11.9/54.9	12/0.4	3.3/13	5.1/16.2	5/2.5	799.32	85.73%



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/>

