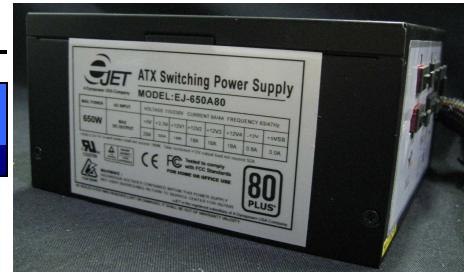


# 80 PLUS Verification and Testing Report

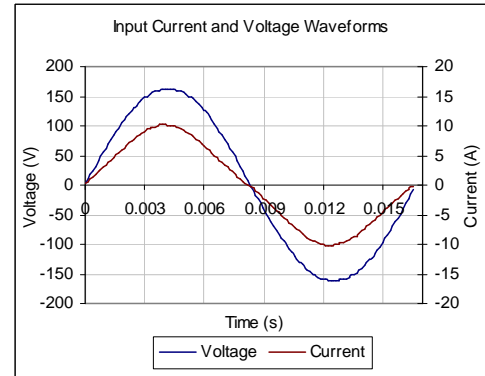
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.28%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.98%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	157.1
<b>Manufacturer</b>	DYNAPOWER USA
<b>Model Number</b>	EJ-650A80
<b>Serial Number</b>	64446649
<b>Year</b>	2006
<b>Type</b>	EPS12V
<b>Test Date</b>	1/11/2007

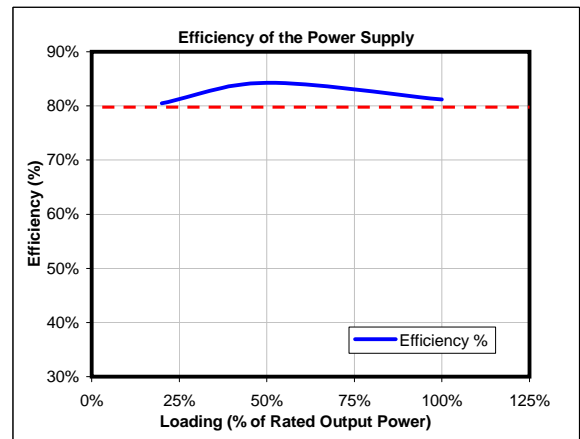
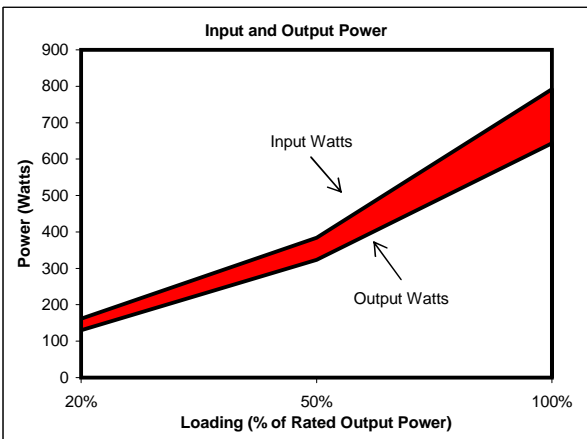
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8/4	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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



Input AC Current Waveform (THD = 8.02%, 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 %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
1.43	1.00	10.2%	20%	Light	162	12/2.2	12/2.2	12.1/2.2	12/2.2	12.1/0.1	3.3/2.7	5/2.6	5.1/0.4	130	80.46%
3.36	0.99	8.0%	50%	Typical	384	12/5.5	12/5.5	12/5.5	11.9/5.5	12.1/0.2	3.3/6.9	5/6.4	5/0.9	324	84.28%
6.91	1.00	7.1%	100%	Full	792	11.9/10.9	11.9/10.9	12/10.9	11.9/10.9	12.3/0.5	3.2/13.7	5/12.8	5/1.8	643	81.20%



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/>

