

# 80 PLUS Verification and Testing Report

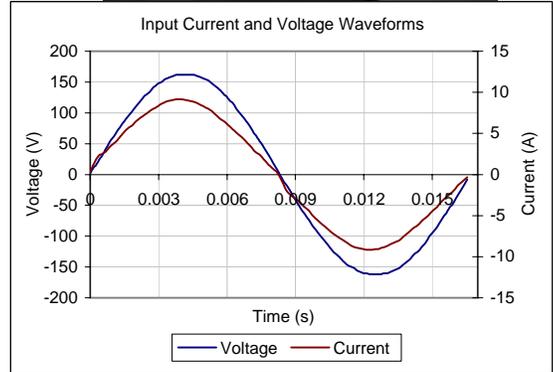


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.76%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.99%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	816.1
<b>Manufacturer</b>	TUNIQ
<b>Model Number</b>	PSU-POT650(-EUAP)-BK
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	7/9/2008

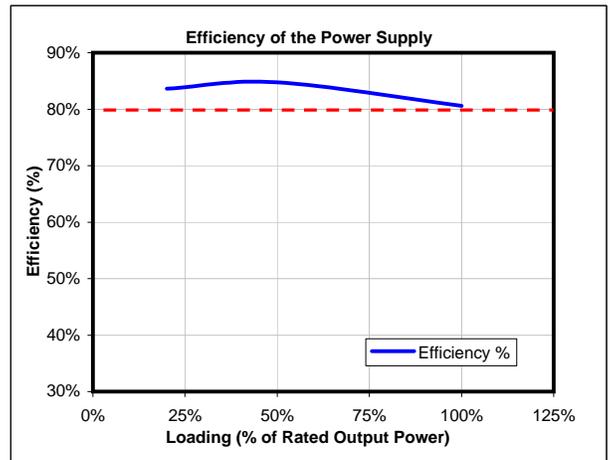
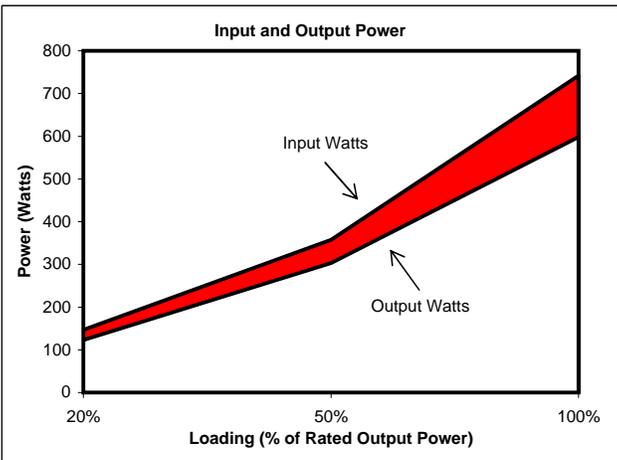
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 3.8%, 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		
1.31	0.97	9.5%	20%	Light	147	12.3/7.7	12.1/0	3.4/3	5/3	5.1/0.4	123	83.62%
3.13	0.99	3.8%	50%	Typical	358	12.2/19.3	12.2/0.1	3.3/7.5	5/7.5	5/1	303	84.76%
6.47	1.00	4.5%	100%	Full	742	12.1/38.5	12.6/0.2	3.1/15	4.8/15	4.8/2.1	598	80.60%



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/>

