

# 80 PLUS Verification and Testing Report

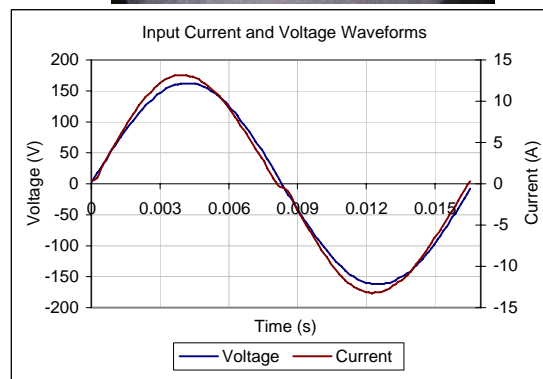
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.66%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.52%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	306
<b>Manufacturer</b>	IMPERVIO
<b>Model Number</b>	IPS-P880TNM
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	7/16/2007

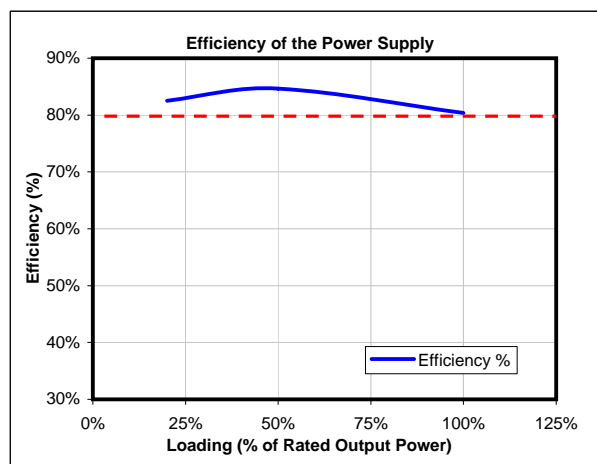
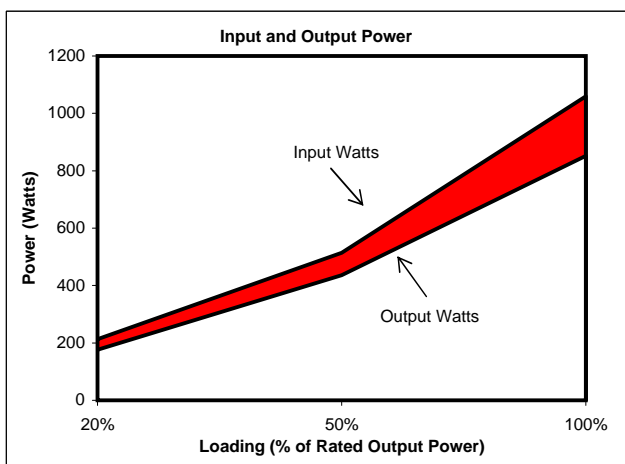
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-14	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>880</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.53%, 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		
1.88	0.99	10.6%	20%	Light	213	12/11.9	12.1/0.1	3.3/3.4	5/3.6	5/0.7	176	82.51%
4.49	1.00	6.5%	50%	Typical	515	11.9/29.7	12.2/0.2	3.3/8.5	5/9.1	4.9/1.6	436	84.66%
9.23	1.00	4.8%	100%	Full	1060	11.7/59.3	12.3/0.4	3.1/17	4.8/18.3	4.7/3.3	852	80.39%



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/>

