

# 80 PLUS Verification and Testing Report

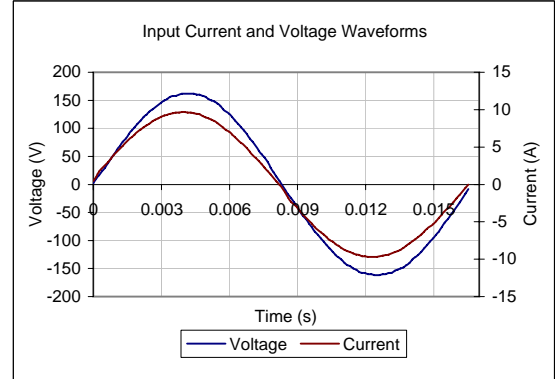


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.83%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.89%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	256
<b>Manufacturer</b>	StarTech.Com
<b>Model Number</b>	EPSP0W650PRO
<b>Serial Number</b>	N/A
<b>Year</b>	2007
<b>Type</b>	ATX12V
<b>Test Date</b>	4/16/2007

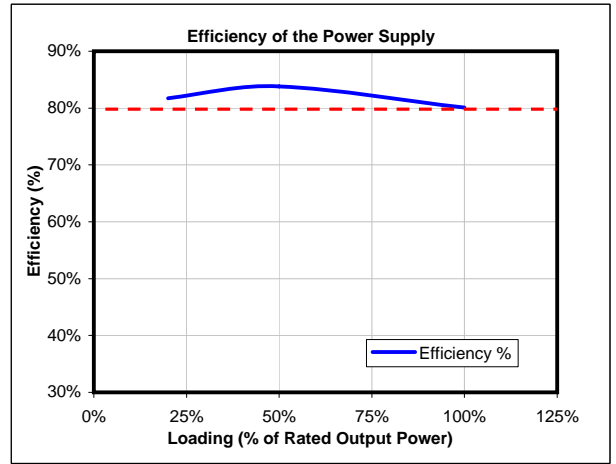
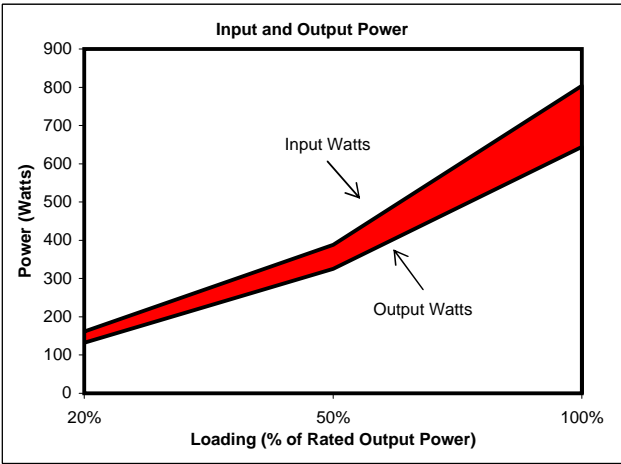
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	60/50	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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



Input AC Current Waveform (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 %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
1.47	0.96	8.5%	20%	Light	162	12.2/2.1	12.2/2.1	12.2/2.1	12.2/2.1	12.2/0.1	3.4/2.8	5/3.5	5/0.6	132	81.71%
3.41	0.99	3.8%	50%	Typical	388	12.1/5.1	12.1/5.1	12.1/5.1	12.1/5.2	12.1/0.2	3.4/7	4.8/8.7	4.9/1.5	325	83.83%
7.05	0.99	2.4%	100%	Full	804	12/10.3	11.9/10.3	12.1/10.3	12/10.3	12.1/0.5	3.3/13.9	4.8/17.5	4.7/3	644	80.11%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.