

# 80 PLUS Verification and Testing Report

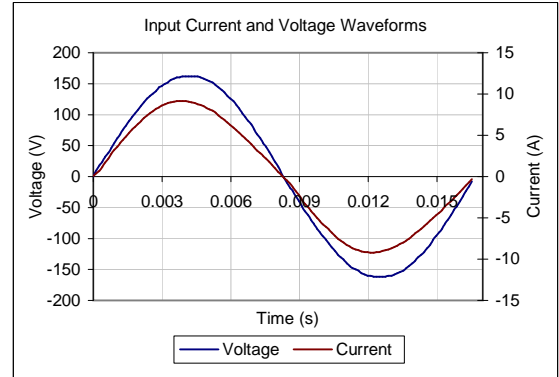


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.40%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.15%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	413
<b>Manufacturer</b>	PC POWER & COOLING
<b>Model Number</b>	SILENCER610EPS12V
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	EPS12V
<b>Test Date</b>	10/23/2007

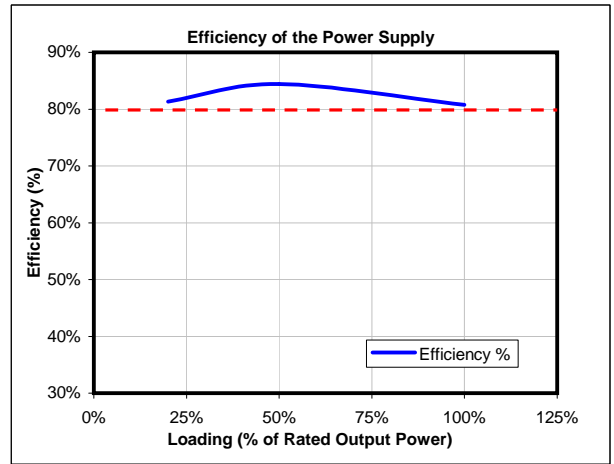
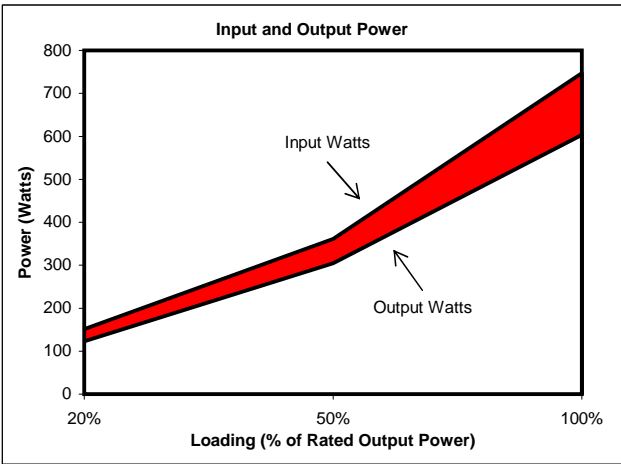
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>610</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 3.9%, 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		
1.32	0.99	5.0%	20%	Light	151	12.1/7.6	11.9/0.1	3.4/2.7	5/3.4	5/0.6	123	81.32%
3.15	1.00	3.9%	50%	Typical	361	12/19	11.9/0.4	3.3/6.9	5/8.6	4.9/1.4	305	84.40%
6.51	1.00	4.0%	100%	Full	747	11.9/38.1	12.1/0.8	3.2/13.7	4.9/17.2	4.7/3	603	80.74%



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.