

# 80 PLUS Verification and Testing Report

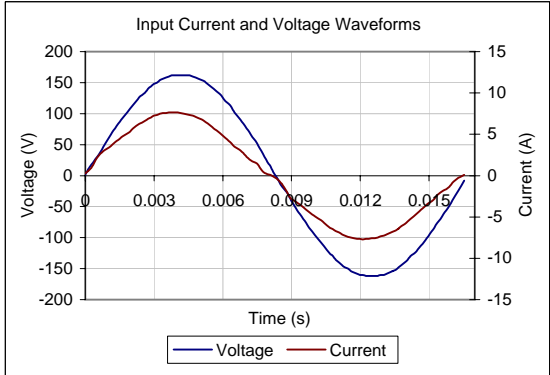
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.83%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.92%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	638.1
<b>Manufacturer</b>	OCZ
<b>Model Number</b>	OCZ500MXSP
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	4/30/2008

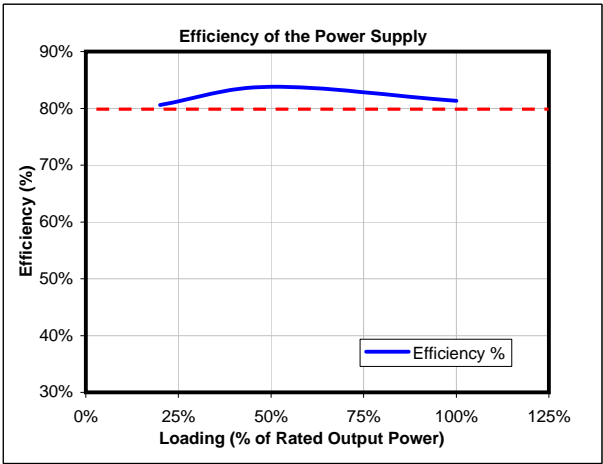
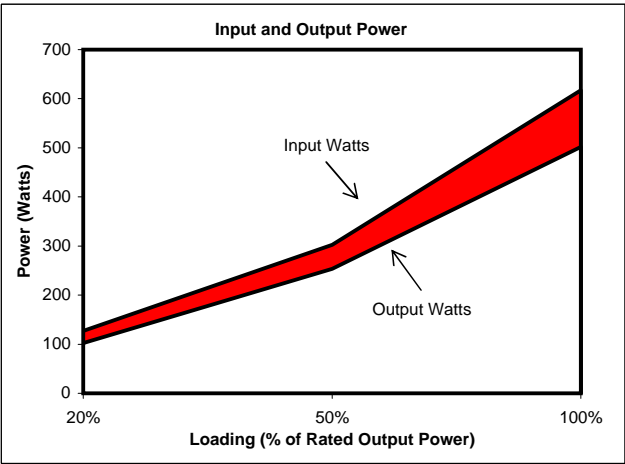
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.87%, 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		
1.12	0.98	12.8%	20%	Light	127	12.3/6	12.1/0	3.4/3	5/3	5.1/0.4	102	80.62%
2.68	0.98	6.9%	50%	Typical	303	12.3/15.1	12.2/0.1	3.3/7.5	4.9/7.5	5/1	254	83.83%
5.40	0.99	4.2%	100%	Full	617	12.2/30.2	12.4/0.2	3.2/15	4.8/15.1	4.9/2.1	502	81.31%



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.