

# 80 PLUS Verification and Testing Report

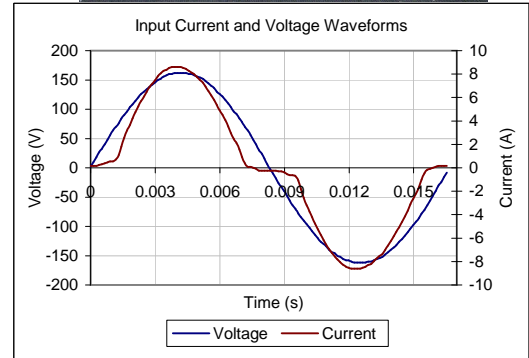


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.06%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.54%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	1171.1
<b>Manufacturer</b>	TACENS
<b>Model Number</b>	VALEO III 500
<b>Serial Number</b>	N/A
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	12/2/2008

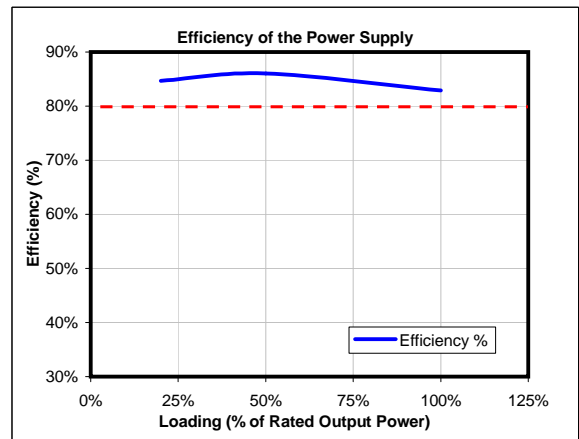
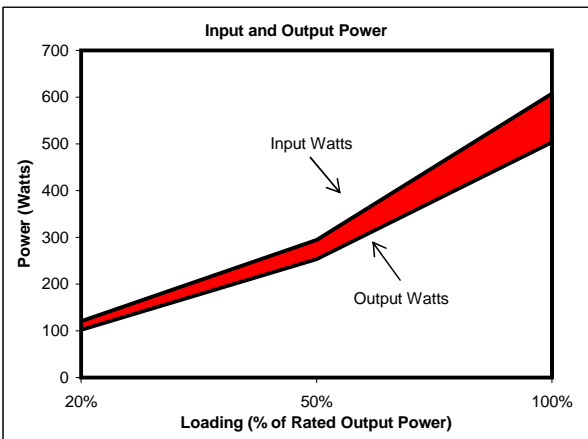
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10/6	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 31.44%, 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
1.09	0.96	25.8%	20%	Light	120	12.2/6.8	11.3/0.1	3.3/2.4	5.1/1.6	5.1/0.5	102	84.66%
2.70	0.95	31.4%	50%	Typical	294	12.2/16.8	11.3/0.2	3.3/5.9	5.1/4	5.1/1.2	253	86.06%
5.46	0.97	25.0%	100%	Full	607	12.1/33.6	11.4/0.5	3.3/11.9	5.1/7.9	5/2.5	503	82.89%



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.