

80 Plus Verification and Testing Report

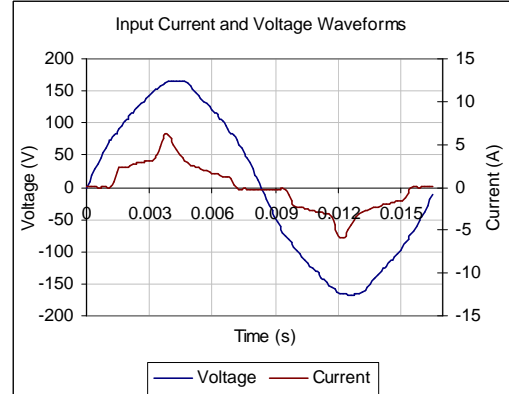
TYPICAL EFFICIENCY (50% Load):	86.35%
AVERAGE EFFICIENCY :	84.48%
80 PLUS COMPLIANT:	YES
NOTE: POWER SUPPLY TESTED IS PROTOTYPE VERSION AND NOT YET AVAILABLE FOR SALE	



Ecos ID #	23
Manufacturer	Celetronix
Model Number	Prototype
Year	2004
Type	SFX
Test Date	5/2/2005

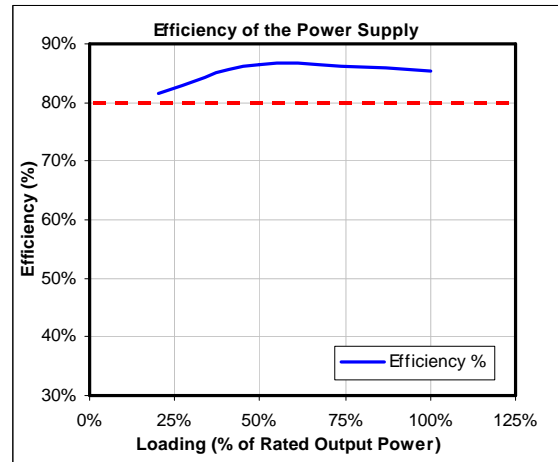
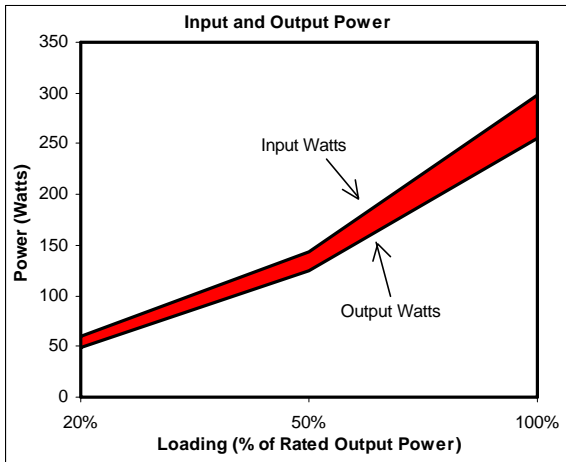
Rated Specifications	Value	Units
Input Voltage	90-255	Volts
Input Current	6	Amps
Input Frequency	50/60	Hz
Rated Output Power	250	Watts

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



Input AC Current Waveform ($I_{THD} = 37.9\%$, 100% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V1	-12V	3.3V	5V*	5VSB		
0.59	0.88	49.1%	20%	Light	60	11.7/2.6	11.2/0.03	3.3/2.0	4.9/2.1	5.0/0.3	49	81.7%
1.37	0.91	43.3%	50%	Typical	144	12.0/6.4	11.8/0.1	3.2/4.9	4.9/5.3	4.9/0.9	124	86.4%
2.79	0.93	37.9%	100%	Full	298	12.4/12.8	13.0/0.2	3.2/9.8	5.1/10.6	4.8/1.7	255	85.4%



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 small servers.



Tested by EPRI Solutions, Knoxville, TN.