

80 PLUS Verification and Testing Report

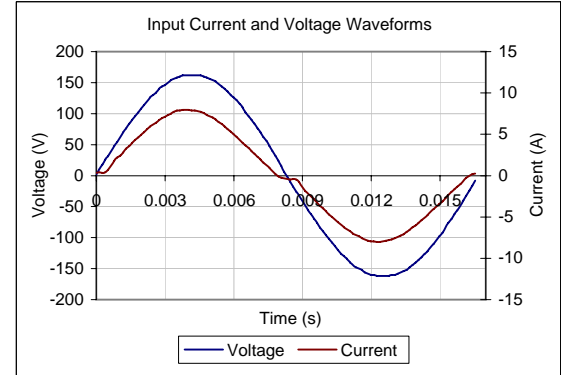
TYPICAL EFFICIENCY (50% Load): 84.67%
AVERAGE EFFICIENCY : 82.64%
80 PLUS COMPLIANT: YES



Ecos ID #	533
Manufacturer	Everest
Model Number	Everest 80 Plus 500+
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	3/5/2008

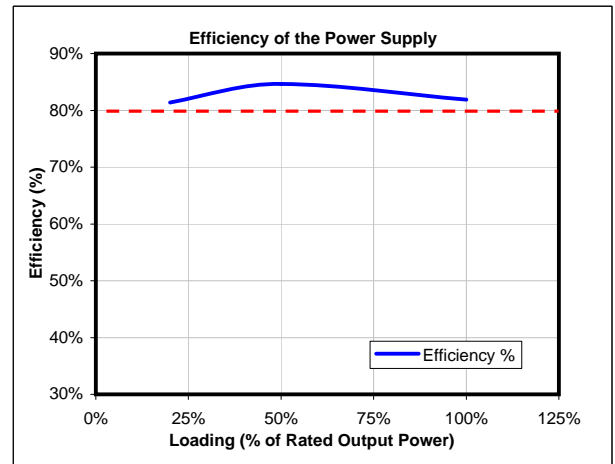
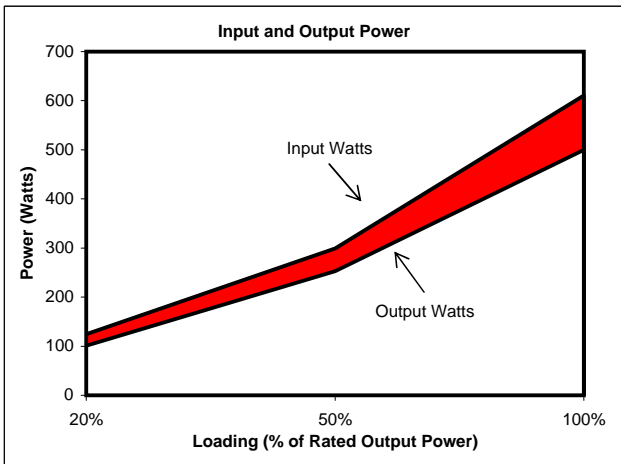
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 15.94%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
1.11	0.98	21.1%	20%	Light	125	12.2/5.3	12.1/0.2	3.3/4.1	5.1/3.4	5.1/0.6	101	81.37%
2.64	0.98	15.9%	50%	Typical	299	12.2/13.4	12.1/0.5	3.3/10.4	5/8.6	4.9/1.5	253	84.67%
5.35	0.99	10.5%	100%	Full	611	12.2/26.8	12.1/0.8	3.2/20.6	4.9/17.3	4.8/3.1	500	81.86%



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.