

80 PLUS Verification and Testing Report

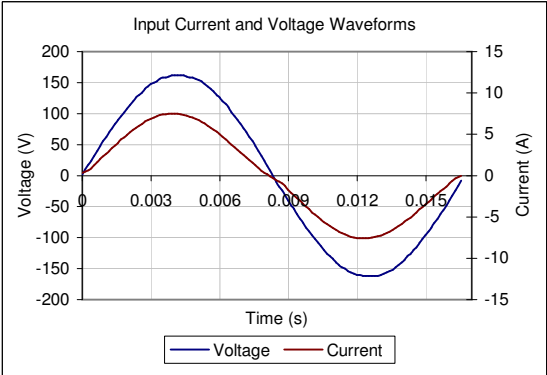
TYPICAL EFFICIENCY (50% Load):	85.12%
AVERAGE EFFICIENCY :	83.63%
80 PLUS COMPLIANT:	YES



Ecos ID #	446
Manufacturer	FSP
Model Number	Epsilon 80PLUS 500
Serial Number	NA
Year	2007
Type	ATX12V & EPS12V
Test Date	11/26/2007

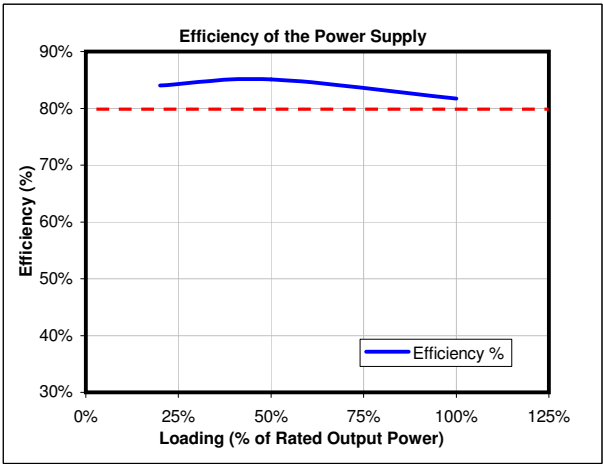
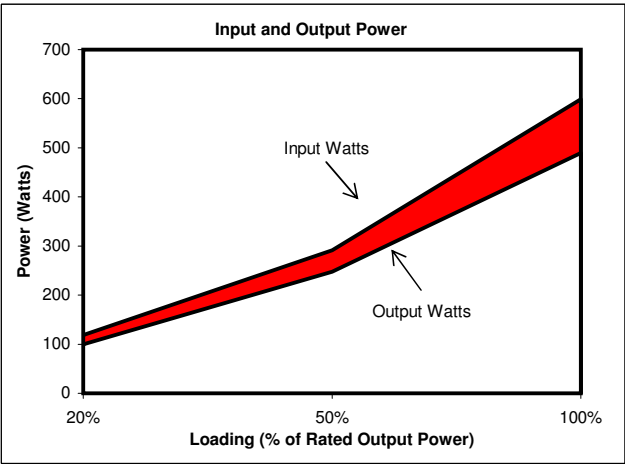
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 10.91%, 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		
1.05	0.98	13.8%	20%	Light	118	11.9/6.9	12/0.1	3.3/2	5.1/1.7	5.1/0.3	99	84.05%
2.56	0.99	10.9%	50%	Typical	291	11.9/17.3	12.1/0.2	3.3/5	5/4.1	5/0.7	248	85.12%
5.23	1.00	6.6%	100%	Full	599	11.8/34.5	12.2/0.4	3.2/9.9	4.9/8.3	4.9/1.4	490	81.72%



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.