

80 PLUS Verification and Testing Report

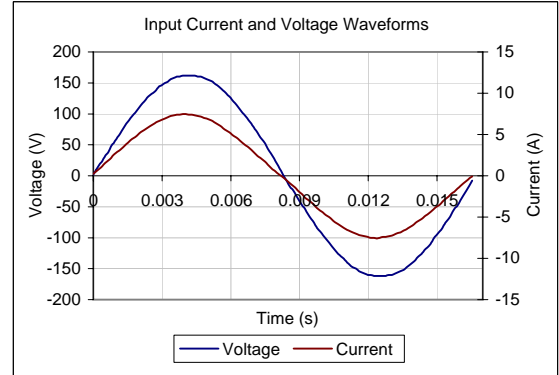


TYPICAL EFFICIENCY (50% Load):	85.35%
AVERAGE EFFICIENCY :	83.49%
80 PLUS COMPLIANT:	YES

Ecos ID #	429
Manufacturer	FSP
Model Number	FSP500-702UC
Serial Number	S7141000032
Year	2007
Type	EPS2U
Test Date	10/17/2007

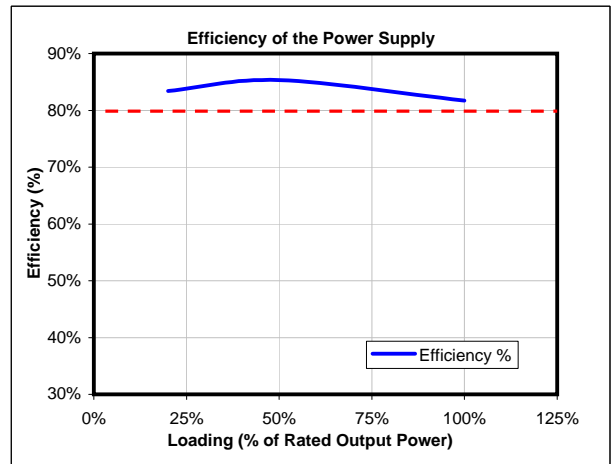
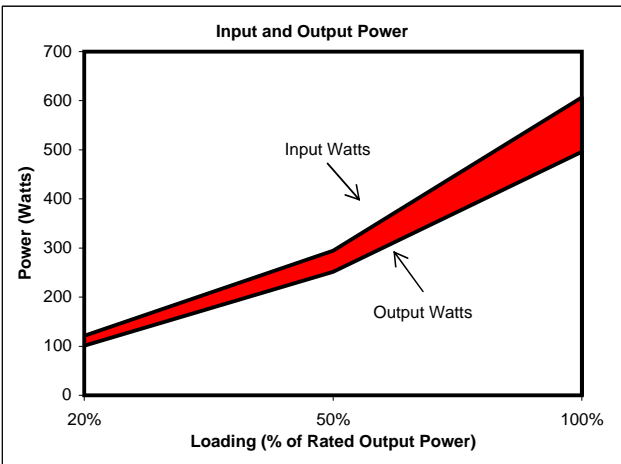
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 4.6%, 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		
1.06	0.99	6.3%	20%	Light	121	12.2/5.9	11.4/0.1	3.3/3.4	5/2.8	5.1/0.4	101	83.42%
2.57	1.00	4.6%	50%	Typical	295	12.1/14.9	11.5/0.2	3.3/8.5	5/7.1	5/1.1	252	85.35%
5.28	1.00	3.9%	100%	Full	607	12/29.8	11.7/0.4	3.2/17	4.9/14.2	4.9/2.1	496	81.71%



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.