

80 PLUS Verification and Testing Report

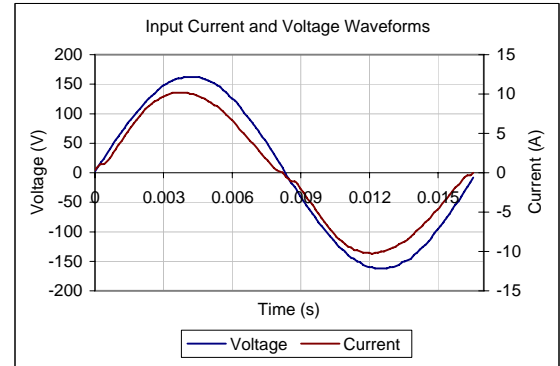


TYPICAL EFFICIENCY (50% Load):	88.23%
AVERAGE EFFICIENCY :	86.24%
80 PLUS COMPLIANT:	YES

Ecos ID #	775
Manufacturer	FSP
Model Number	FSP700-90TSN
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	7/31/2008

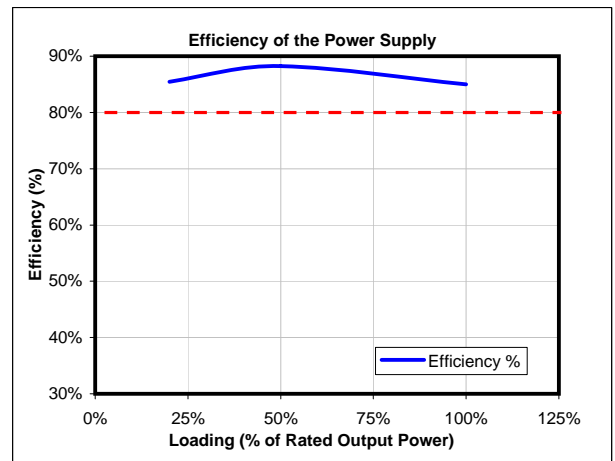
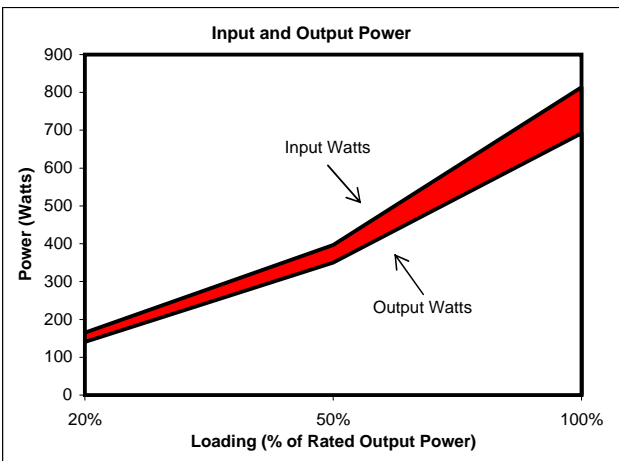
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 8.89%, 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
1.46	0.98	13.8%	20%	Light	165	12.1/9.1	12.3/0.1	3.3/2.9	5/3.6	5/0.6	141	85.47%
3.48	0.99	8.9%	50%	Typical	397	12/22.7	12.4/0.2	3.2/7.2	5/8.9	4.9/1.4	350	88.23%
7.11	0.99	7.5%	100%	Full	814	11.9/45.4	12.5/0.4	3.1/14.3	4.9/17.9	4.8/2.8	692	85.02%



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.