

# 80 PLUS Verification and Testing Report

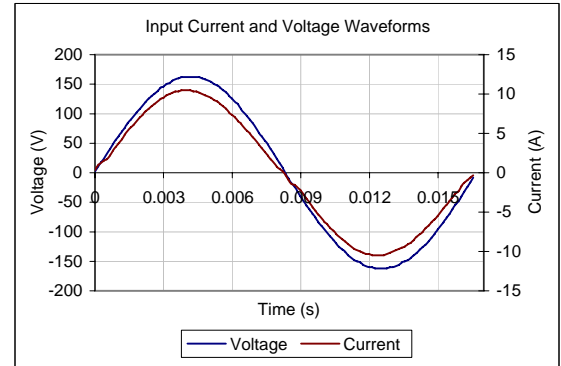


**TYPICAL EFFICIENCY (50% Load):** 87.22%  
**AVERAGE EFFICIENCY :** 85.45%  
**80 PLUS COMPLIANT:** YES

<b>Ecos ID #</b>	1025
<b>Manufacturer</b>	FSP
<b>Model Number</b>	FSP700-80TBN
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	10/10/2008

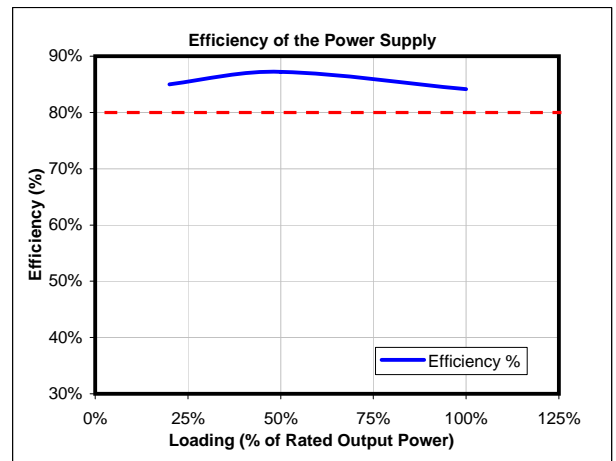
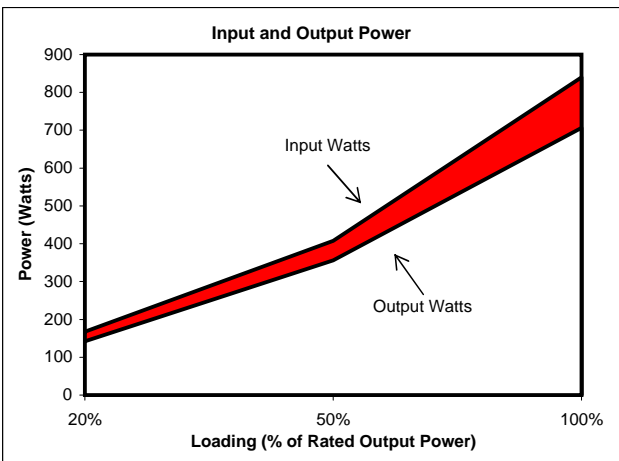
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>700</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.27%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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
1.47	0.99	6.0%	20%	Light	168	12.2/9.1	12.3/0.1	3.4/2.9	5.2/3.6	5.1/0.5	142	84.99%
3.55	1.00	4.3%	50%	Typical	408	12.1/22.8	12.5/0.2	3.4/7.2	5.2/9	5.1/1.2	356	87.22%
7.31	1.00	4.0%	100%	Full	840	12.1/45.5	12.6/0.4	3.4/14.4	5.1/18	5/2.4	707	84.14%



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.