

80 PLUS Verification and Testing Report

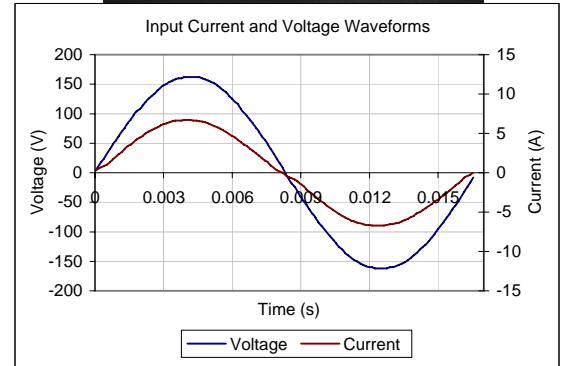


TYPICAL EFFICIENCY (50% Load): 86.72%
AVERAGE EFFICIENCY : 85.28%
80 PLUS COMPLIANT: YES

Ecos ID #	938
Manufacturer	FSP
Model Number	FSP450-60TBN
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	9/24/2008

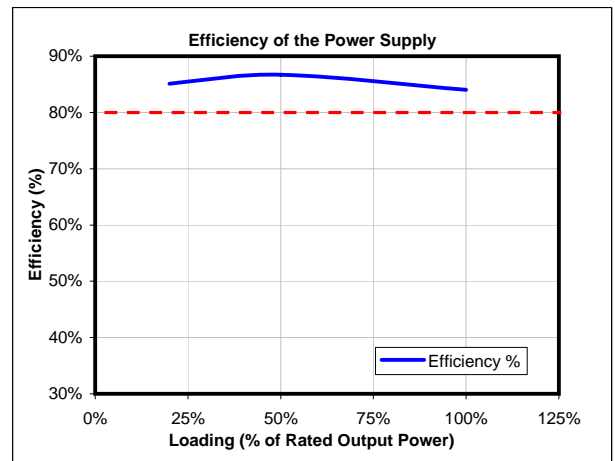
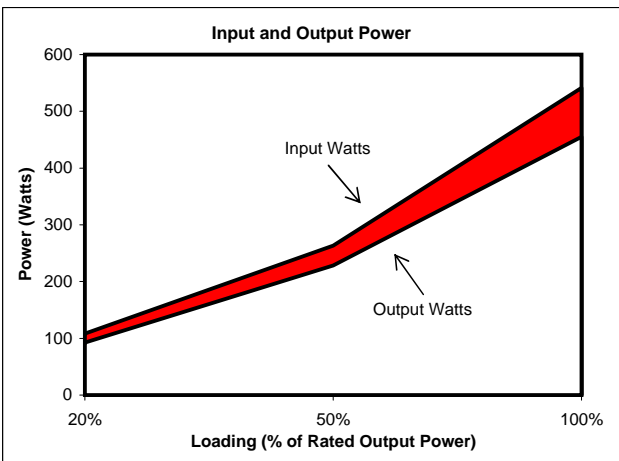
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 5.65%, 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
0.95	0.99	4.0%	20%	Light	108	12.1/5.4	12.3/0.1	3.4/2.9	5.1/2.7	5.1/0.5	92	85.11%
2.29	1.00	5.7%	50%	Typical	263	12.1/13.4	12.5/0.2	3.4/6.7	5.1/6.7	5.1/1.2	228	86.72%
4.71	1.00	4.9%	100%	Full	542	12.1/26.8	12.5/0.4	3.4/13.4	5.1/13.5	5.1/2.4	455	84.01%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

