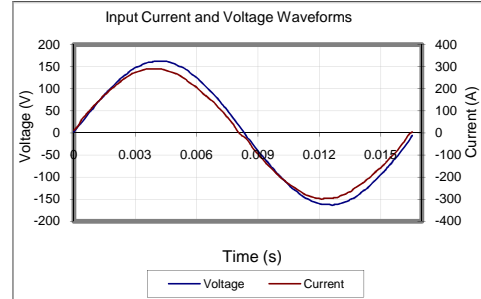


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.13%
AVERAGE EFFICIENCY :	91.94%
80 PLUS COMPLIANT:	YES



Ecos ID #	2146
Manufacturer	FSP TECHNOLOGY INC.
Model Number	FSP450-60PTM
Serial Number	N/A
Year	2010
Type	ATX12V
Test Date	7/16/2010

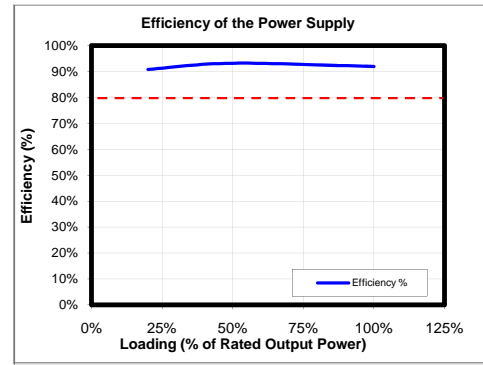
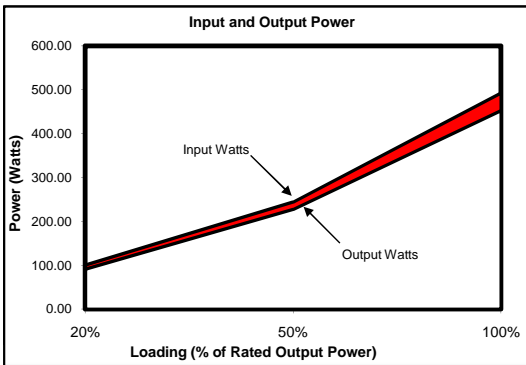


Input AC Current Waveform (ITHD = 1.42%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13.5-7	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.

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.)						
0.89	0.98	2.13%	20%	Light	100.53	12.1/5.6	11.4/0	3.3/3.2	5.2/2	5/0.4	91.28	90.79%
2.13	1.00	1.42%	50%	Typical	244.32	12.1/14	11.6/0.1	3.3/7.9	5.2/4.9	5/1.1	227.53	93.13%
4.29	1.00	1.20%	100%	Full	492.80	12/28	11.9/0.3	3.3/15.7	5.2/9.9	4.9/2.1	452.85	91.89%



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/>

