

# 80 PLUS Verification and Testing Report

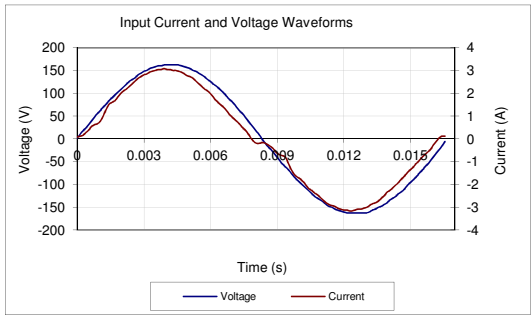
TYPICAL EFFICIENCY (50% Load):	92.44%
AVERAGE EFFICIENCY :	91.32%
80 PLUS COMPLIANT:	YES



Ecos ID #	2686.1
Manufacturer	FSP TECHNOLOGY INC.
Model Number	PT-450M
Serial Number	S1231000035
Year	2011
Type	ATX12V
Test Date	8/4/2011

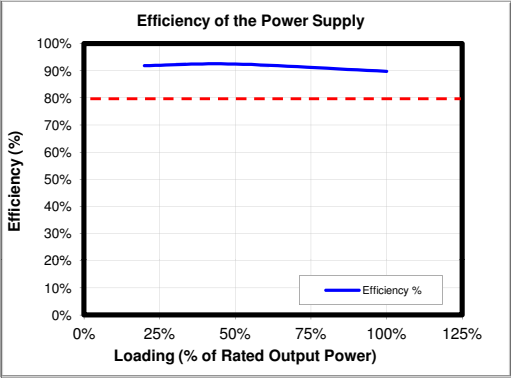
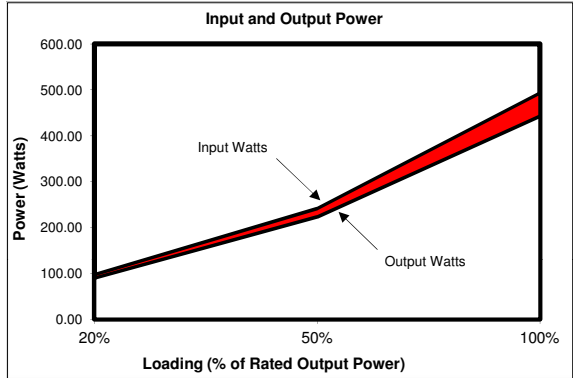
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 10.21%, 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.)						
0.88	0.97	23.64%	20%	Light	97.70	11.9/6					89.71	91.82%
2.11	0.99	10.21%	50%	Typical	241.68	11.8/15					223.40	92.44%
4.30	1.00	5.03%	100%	Full	493.40	12.1/0.3					442.64	89.71%



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/>

