

80 PLUS Verification and Testing Report

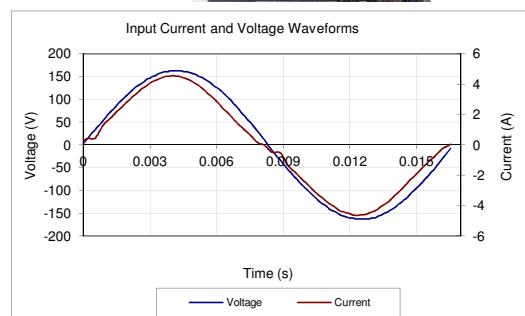
TYPICAL EFFICIENCY (50% Load):	92.41%
AVERAGE EFFICIENCY :	91.35%
80 PLUS COMPLIANT:	YES



Ecos ID #	2692.1
Manufacturer	FSP TECHNOLOGY INC.
Model Number	PT-650M
Serial Number	S1231000034
Year	2011
Type	OTHER ATX 12V & EPS 12V
Test Date	8/8/2011

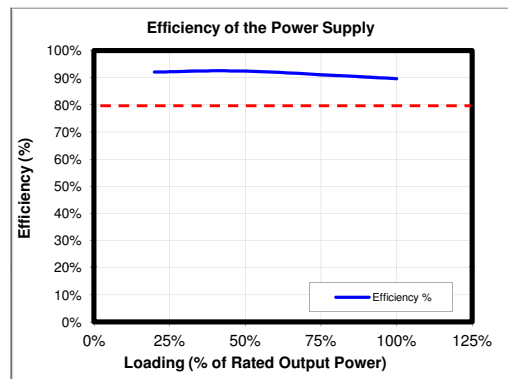
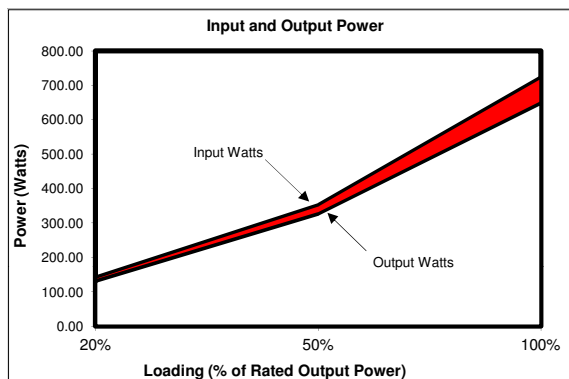
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 9.72%, 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
1.28	0.97	23.65%	20%	Light	142.83	12.1/8.9		12.5/0.1	3.4/2.5	5/2.3	5/0.6	131.51	92.07%
3.09	0.99	9.72%	50%	Typical	353.60	12/22.4		12.5/0.1	3.4/6.2	5/5.6	5/1.4	326.77	92.41%
6.31	1.00	5.49%	100%	Full	724.90	12/44.7		12.5/0.3	3.3/12.4	4.9/11.2	4.9/2.8	649.25	89.56%



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/>

