

80 PLUS Verification and Testing Report

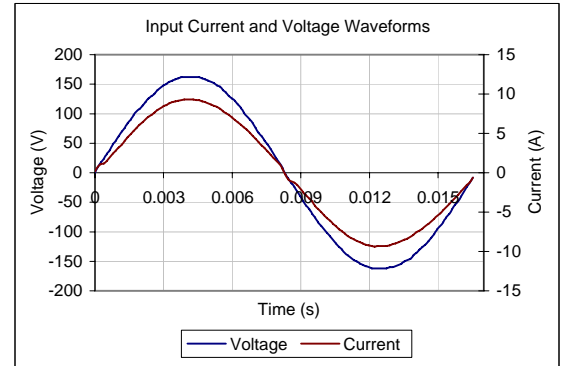


TYPICAL EFFICIENCY (50% Load):	87.64%
AVERAGE EFFICIENCY :	86.03%
80 PLUS COMPLIANT:	YES

Ecos ID #	797
Manufacturer	SUPERFLOWER
Model Number	SF-650K14HE
Serial Number	S0806010049
Year	2008
Type	ATX12V
Test Date	8/8/2008

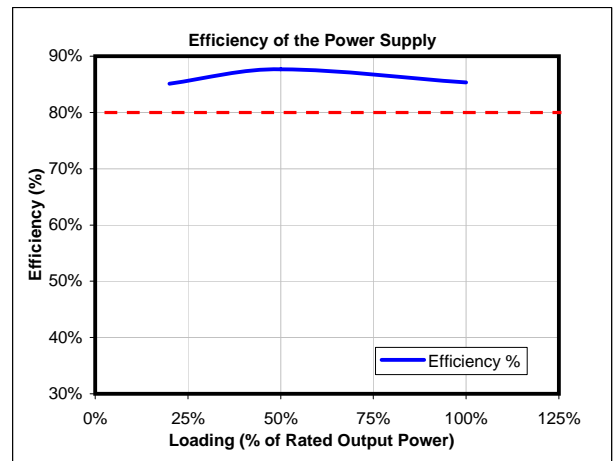
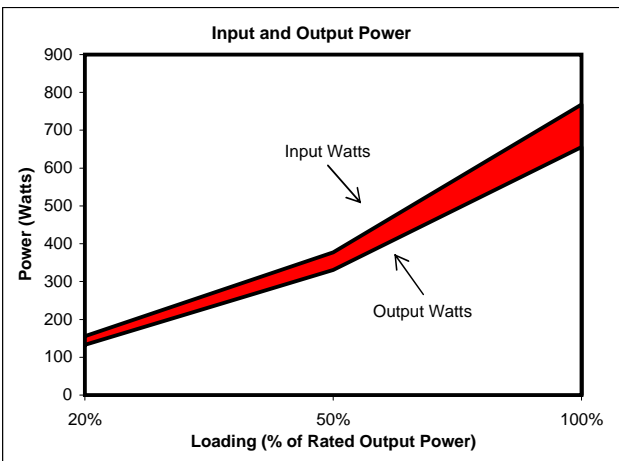
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 3.75%, 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
1.36	1.00	4.4%	20%	Light	156	12.2/8.3	11.8/0.1	3.4/2.8	5.2/3.5	5/0.6	133	85.09%
3.28	1.00	3.8%	50%	Typical	377	12.2/20.7	11.8/0.2	3.4/7	5.2/8.8	5/1.4	331	87.64%
6.68	1.00	1.6%	100%	Full	768	12.1/41.3	11.7/0.5	3.3/14	5.1/17.6	4.9/2.9	655	85.36%



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/>

