

80 PLUS Verification and Testing Report

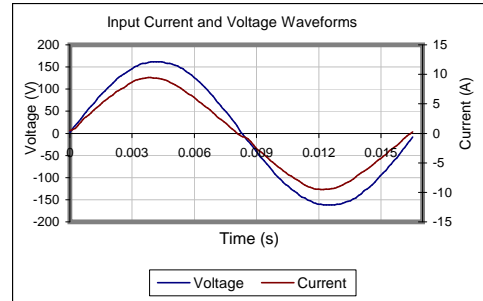
TYPICAL EFFICIENCY (50% Load):	90.37%
AVERAGE EFFICIENCY :	88.88%
80 PLUS COMPLIANT:	YES



Ecos ID #	1985
Manufacturer	SPARKLE COMPUTER CORP.
Model Number	SCC-650AF
Serial Number	N/A
Year	2010
Type	EPS12V
Test Date	3/31/2010

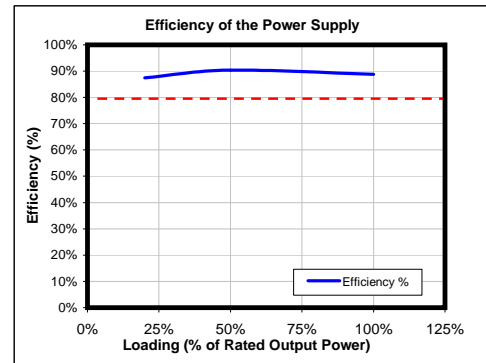
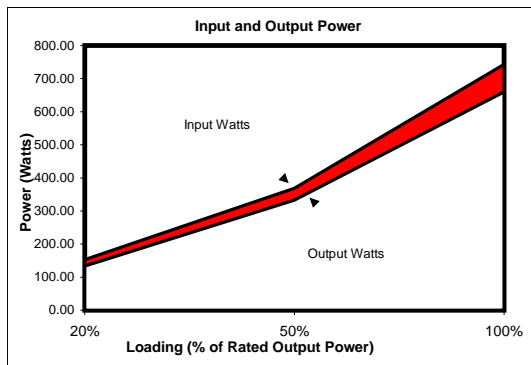
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50/60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 9.2%, 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		
1.38	0.96	17.44%	20%	Light	152.75	12.3/8.7	11.8/0.1	3.4/2.4	5.1/3	5.1/0.4	133.66	87.50%
3.23	0.99	9.20%	50%	Typical	368.10	12.3/21.8	11.7/0.2	3.4/6	5.1/7.5	5.1/1	332.63	90.37%
6.49	1.00	6.00%	100%	Full	743.20	12.2/43.4	11.6/0.3	3.3/12	5.1/15	5/2	659.72	88.77%



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/>

