

## 80 PLUS Verification and Testing Report

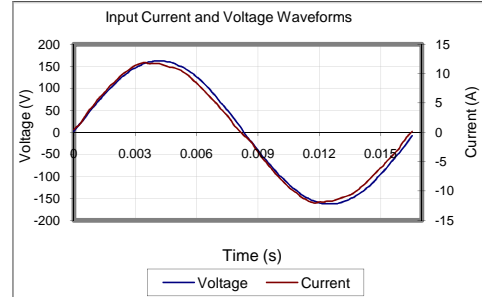
TYPICAL EFFICIENCY (50% Load):	90.05%
AVERAGE EFFICIENCY :	88.62%
80 PLUS COMPLIANT:	YES



Ecos ID #	1987
Manufacturer	SPARKLE COMPUTER CORP.
Model Number	SCC-850AF
Serial Number	N/A
Year	2010
Type	EPS12V
Test Date	3/31/2010

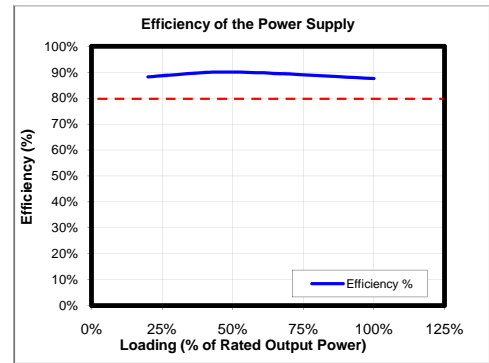
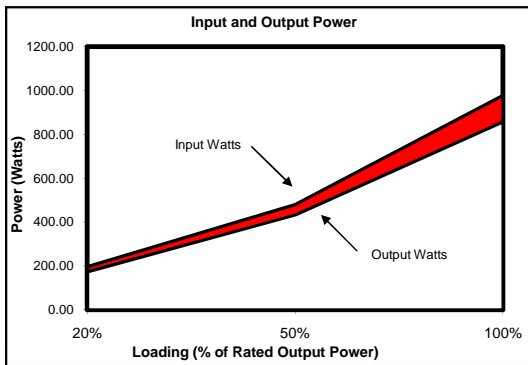
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50/60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.84%, 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.)	-12V	3.3V	5V*	5VSB		
1.77	0.97	15.92%	20%	Light	197.60	12.3/11.5	11.7/0.1	3.4/3	5.1/3.8	5.1/0.5	174.36	88.24%
4.21	0.99	7.84%	50%	Typical	480.70	12.2/28.8	11.6/0.2	3.4/7.5	5.1/9.4	5/1.3	432.88	90.05%
8.52	1.00	2.95%	100%	Full	979.50	12.1/57.5	11.6/0.4	3.4/14.9	5.1/18.7	5/2.5	857.72	87.57%



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/>

