80 PLUS Verification and Testing Report

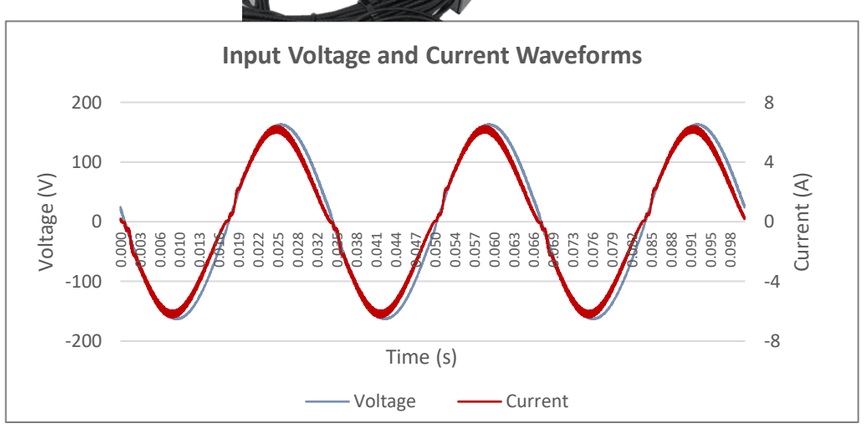
TYPICAL EFFICIENCY (50% Load):	**88.63%**
AVERAGE EFFICIENCY :	**81.67%**
AVERAGE STANDBY EFFICIENCY :	**75.01%**
80 PLUS COMPLIANT:	**Bronze**



ID Number	7919
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SRP-CBC851-A5A51JF
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	8/6/25

Rated	Value	Units
Input Voltage	100-240/200-240	**Volts**
Input Current	11-5.5/5.5	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	850	**Watts**

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



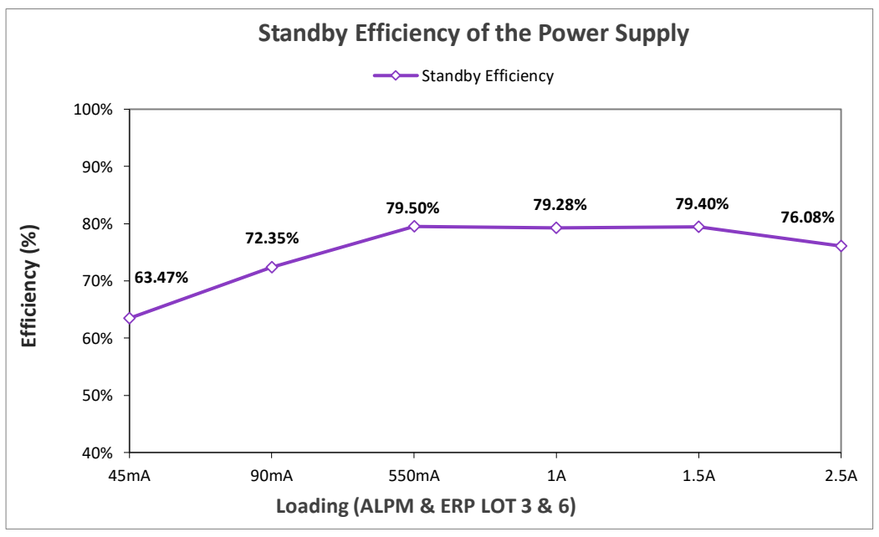
Input AC Current Waveform (ITHD = 6.09%, 50% Load)

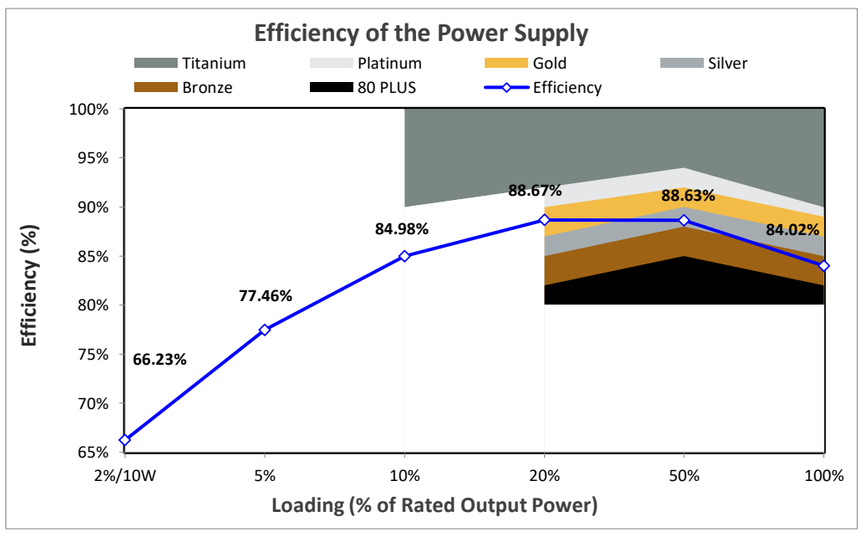
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.146	0.5192	31.44	0%	**8.72**	**No-Load**						
0.273	**0.8220**	20.88	2%/10W	**25.77**	12.049/1.246	11.620/0.005	3.303/0.214	5.000/0.214	5.146/0.045	**17.07**	**66.23%**
0.512	**0.9362**	15.32	5%	**55.09**	12.049/3.114	11.765/0.013	3.303/0.535	5.000/0.535	5.145/0.111	**42.67**	**77.46%**
0.897	**0.9733**	12.48	10%	**100.41**	12.050/6.225	11.755/0.027	3.303/1.069	5.000/1.069	5.144/0.222	**85.33**	**84.98%**
1.699	**0.9847**	11.36	20%	**192.49**	12.051/12.448	11.742/0.053	3.304/2.140	5.001/2.140	5.141/0.445	**170.69**	**88.67%**
4.218	**0.9925**	6.09	50%	**481.64**	12.053/31.122	11.987/0.133	3.307/5.353	5.005/5.354	5.132/1.112	**426.90**	**88.63%**
8.866	**0.9972**	4.51	100%	**1016.45**	12.057/62.230	12.117/0.267	3.312/10.707	5.010/10.709	5.115/2.222	**854.04**	**84.02%**

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Standby Efficiency
					5VSB		
0.073	0.0089	3.81	0mA	**0.07**	**Vampire Load**		
0.073	**0.0432**	14.01	45mA	**0.36**	5.141/0.045	**0.23**	**63.47%**
0.075	**0.0744**	23.06	90mA	**0.64**	5.140/0.090	**0.46**	**72.35%**
0.105	**0.2933**	67.21	550mA	**3.55**	5.134/0.550	**2.82**	**79.50%**
0.148	**0.3808**	79.00	1A	**6.47**	5.128/1.000	**5.13**	**79.28%**
0.200	**0.4210**	83.65	1.5A	**9.67**	5.121/1.500	**7.68**	**79.40%**
0.315	**0.4635**	85.85	2.5A	**16.80**	5.106/2.503	**12.78**	**76.08%**

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)





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.
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