

80 PLUS Verification and Testing Report

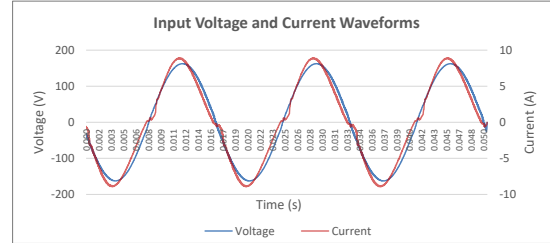
TYPICAL EFFICIENCY (50% Load):	92.36%
AVERAGE EFFICIENCY :	84.71%
AVERAGE STANDBY EFFICIENCY :	81.88%
80 PLUS COMPLIANT:	Platinum



ID Number	7745.1
Manufacturer	Chieftec
Model Number	SPX-1200
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	2/19/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15.0-7.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1200	Watts

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



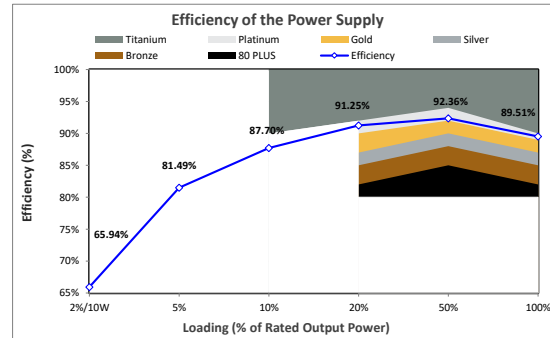
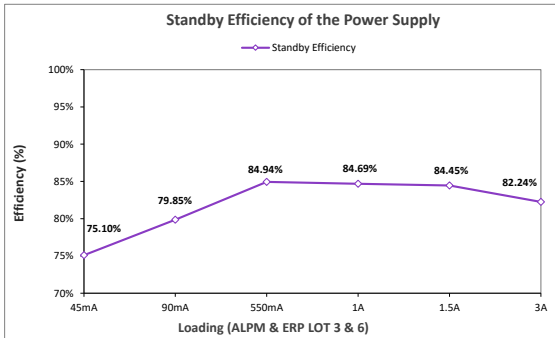
Input AC Current Waveform (ITHD = 11.59%, 50% Load)

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.)					
0.156	0.3371	21.20	0%	6.06	No-Load					
0.370	0.8699	25.14	2%/10W	36.99	12.204/1.826	3.316/0.220	5.051/0.220	4.951/0.055	24.39	65.94%
0.691	0.9417	23.10	5%	74.83	12.206/4.564	3.317/0.550	5.051/0.550	4.950/0.137	60.98	81.49%
1.246	0.9704	18.57	10%	139.05	12.204/9.129	3.317/1.097	5.052/1.097	4.951/0.274	121.95	87.70%
2.366	0.9812	17.90	20%	267.06	12.194/18.255	3.317/2.197	5.053/2.197	4.944/0.548	243.68	91.25%
5.792	0.9896	11.59	50%	658.91	12.180/45.635	3.318/5.495	5.058/5.495	4.919/1.369	608.56	92.36%
11.852	0.9944	7.94	100%	1355.41	12.141/91.257	3.318/10.991	5.062/10.993	4.889/2.737	1213.22	89.51%

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				
0.128	0.0023	0.75	0mA	0.03	Vampire Load				
0.128	0.0201	5.86	45mA	0.30	4.967/0.045			0.22	75.10%
0.129	0.0376	10.24	90mA	0.56	4.965/0.090			0.45	79.85%
0.143	0.1945	40.01	550mA	3.21	4.959/0.550			2.73	84.94%
0.167	0.3031	56.51	1A	5.86	4.959/1.000			4.96	84.69%
0.199	0.3800	65.81	1.5A	8.80	4.956/1.500			7.44	84.45%
0.318	0.4807	77.54	3A	18.11	4.959/3.003			14.89	82.24%

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. <https://www.clearesult.com/80plus/> [\[clearesult.com\]](https://www.clearesult.com/)