

80 PLUS Verification and Testing Report

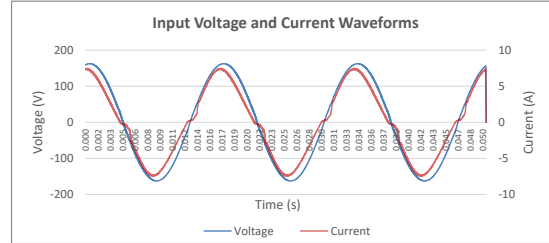
TYPICAL EFFICIENCY (50% Load):	92.38%
AVERAGE EFFICIENCY :	84.49%
AVERAGE STANDBY EFFICIENCY :	81.53%
80 PLUS COMPLIANT:	Platinum



ID Number	7744.1
Manufacturer	Chieftec
Model Number	SPX-1000
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	13.0-6.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



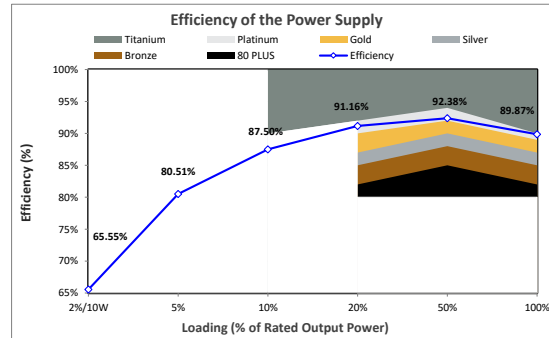
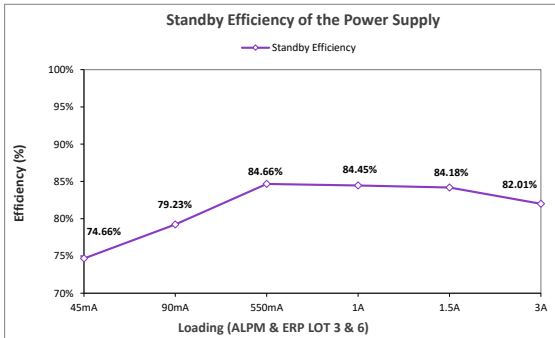
Input AC Current Waveform (ITHD = 11.77%, 50% Load)

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.)					
0.164	0.5070	15.98	0%	9.57	No-Load					
0.311	0.8639	27.83	2%/10W	30.94	12.178/1.496	3.311/0.216	5.049/0.216	4.920/0.054	20.28	65.55%
0.583	0.9384	25.05	5%	62.98	12.178/3.738	3.312/0.540	5.050/0.540	4.915/0.135	50.70	80.51%
1.042	0.9667	20.24	10%	115.85	12.177/7.475	3.312/1.079	5.051/1.079	4.916/0.269	101.36	87.50%
1.972	0.9804	17.21	20%	222.40	12.176/14.950	3.312/2.159	5.053/2.160	4.910/0.539	202.75	91.16%
4.823	0.9883	11.77	50%	548.11	12.162/37.373	3.313/5.402	5.056/5.402	4.887/1.346	506.32	92.38%
9.832	0.9943	7.96	100%	1124.14	12.133/74.738	3.312/10.805	5.061/10.806	4.857/2.691	1010.22	89.87%

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				
0.127	0.0024	0.78	0mA	0.04	Vampire Load				
0.128	0.0203	5.95	45mA	0.30	4.929/0.045			0.22	74.66%
0.128	0.0379	10.31	90mA	0.56	4.927/0.090			0.44	79.23%
0.142	0.1950	40.25	550mA	3.20	4.921/0.550			2.71	84.66%
0.166	0.3036	56.77	1A	5.83	4.919/1.000			4.92	84.45%
0.199	0.3790	66.49	1.5A	8.76	4.915/1.500			7.37	84.18%
0.318	0.4805	77.80	3A	18.01	4.918/3.003			14.77	82.01%

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/)