

80 PLUS Verification and Testing Report

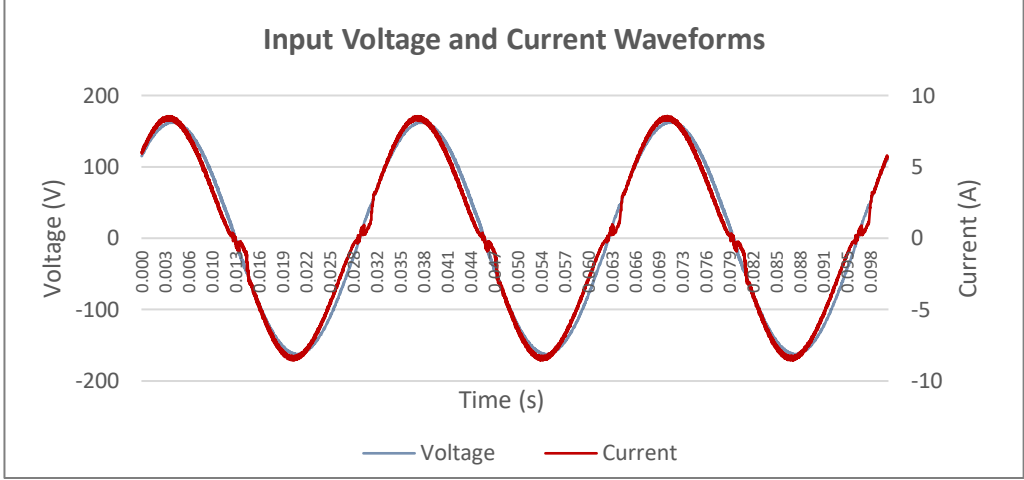
TYPICAL EFFICIENCY (50% Load):	93.05%
AVERAGE EFFICIENCY :	87.21%
AVERAGE STANDBY EFFICIENCY :	79.59%
80 PLUS COMPLIANT:	Platinum



ID Number	7935.1
Manufacturer	SilverStone Technology Inc.
Model Number	SST-AX1200MCPT-C
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	8/19/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15	Amps
Input Frequency	47-63	Hz
Rated Output Power	1200	Watts

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



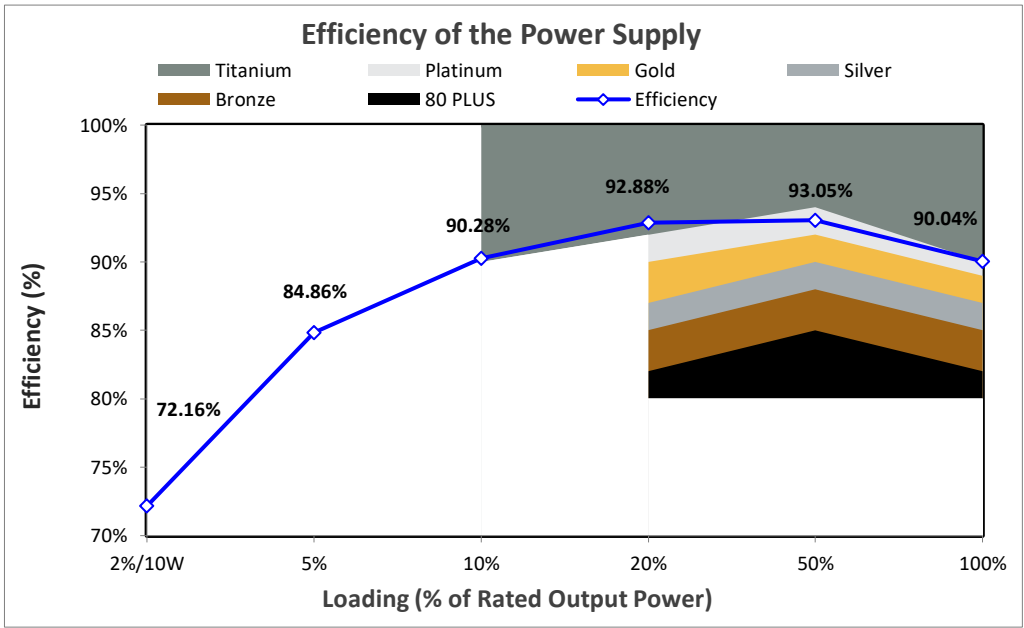
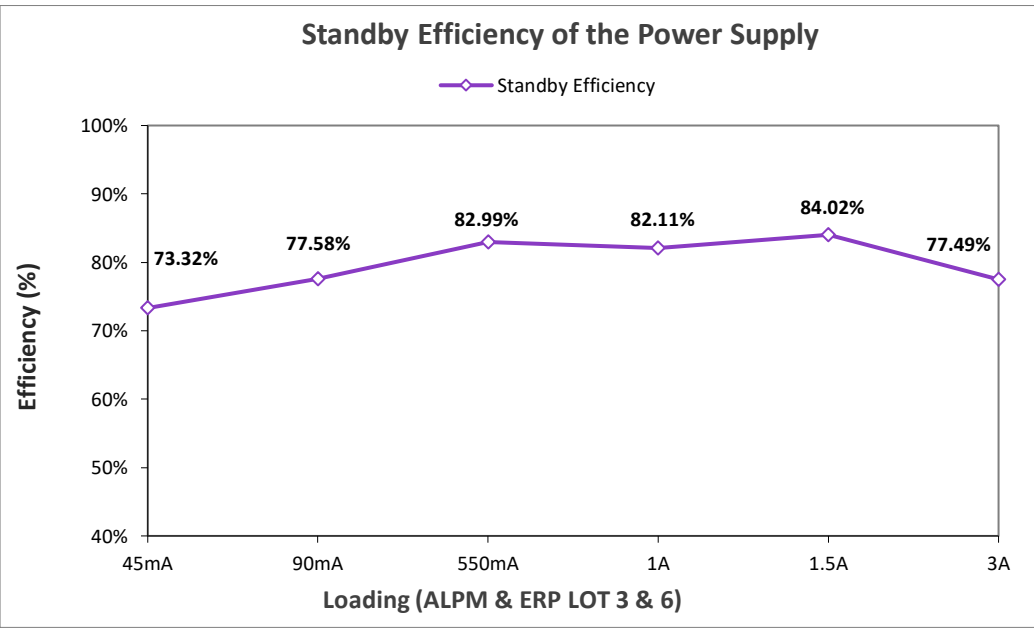
Input AC Current Waveform (ITHD = 8.79%, 50% Load)

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		
0.132	0.5415	23.01	0%	8.24	No-Load						
0.316	0.9166	25.12	2%/10W	33.32	12.015/1.808	11.980/0.005	3.325/0.239	4.999/0.239	5.103/0.054	24.04	72.16%
0.640	0.9626	22.23	5%	70.82	12.014/4.517	11.975/0.014	3.324/0.598	4.999/0.598	5.099/0.136	60.10	84.86%
1.184	0.9770	19.21	10%	133.13	12.015/9.034	11.973/0.027	3.324/1.195	4.999/1.195	5.092/0.271	120.19	90.28%
2.274	0.9899	13.33	20%	258.78	12.014/18.065	11.973/0.054	3.325/2.392	5.000/2.392	5.078/0.542	240.35	92.88%
5.649	0.9940	8.79	50%	645.85	12.016/45.162	11.971/0.136	3.326/5.983	5.004/5.983	5.031/1.355	600.95	93.05%
11.626	0.9977	5.30	100%	1333.82	12.010/90.319	11.981/0.271	3.322/11.966	5.000/11.967	4.953/2.709	1200.93	90.04%

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						
0.086	0.0036	1.71	0mA	0.04	Vampire Load						
0.087	0.0315	9.32	45mA	0.31	5.106/0.045					0.23	73.32%
0.088	0.0586	16.25	90mA	0.59	5.105/0.090					0.46	77.58%
0.110	0.2669	55.64	550mA	3.37	5.088/0.550					2.80	82.99%
0.144	0.3727	71.03	1A	6.18	5.071/1.000					5.07	82.11%
0.185	0.4263	77.39	1.5A	9.02	5.053/1.500					7.58	84.02%
0.333	0.5014	82.61	3A	19.35	4.993/3.003					14.99	77.49%

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/)