

80 PLUS Verification and Testing Report

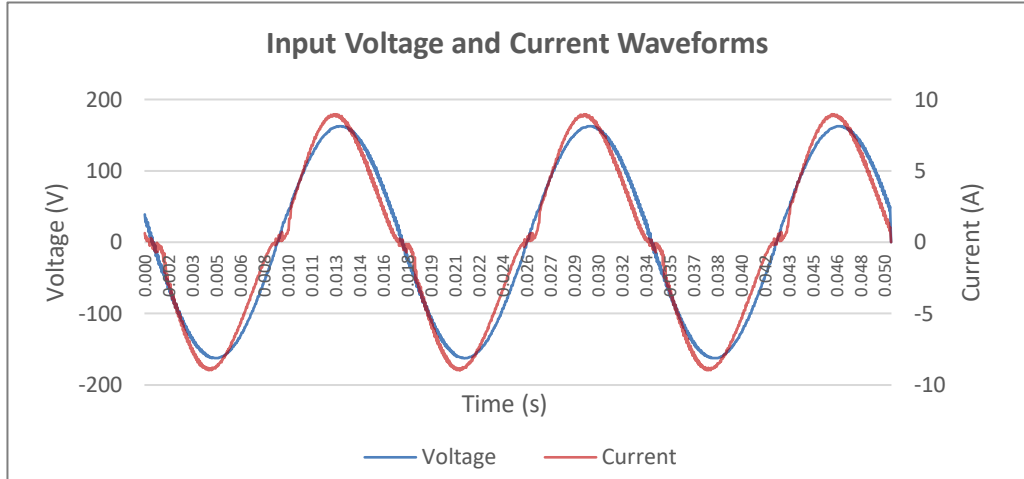
TYPICAL EFFICIENCY (50% Load):	91.69%
AVERAGE EFFICIENCY :	85.02%
AVERAGE STANDBY EFFICIENCY :	77.01%
80 PLUS COMPLIANT:	Gold



ID Number	7818
Manufacturer	Cooler Master
Model Number	MPW-C001-AFAG
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	5/7/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15-7.5	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.



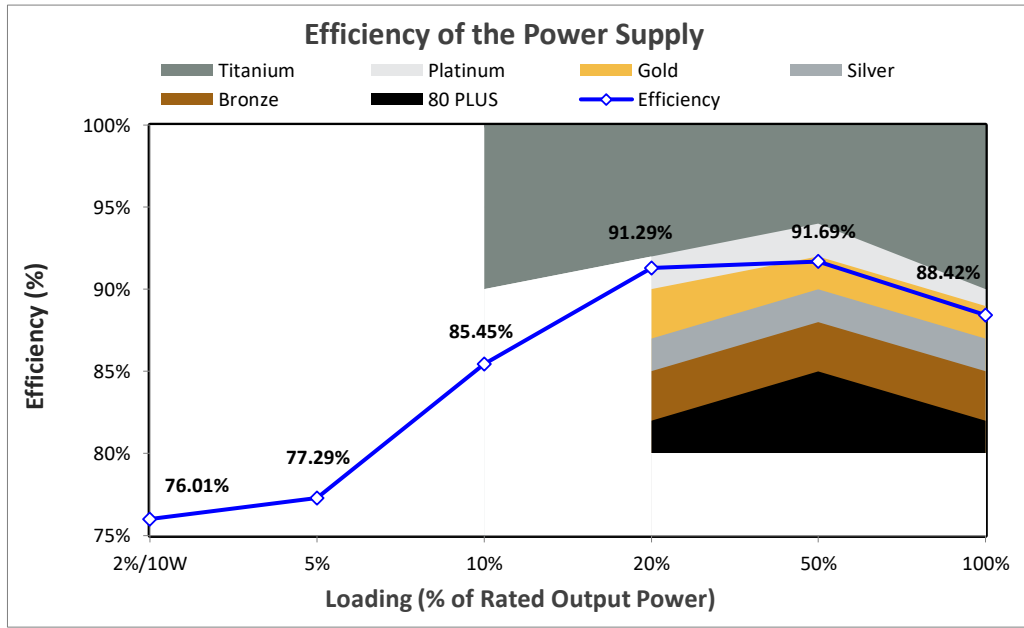
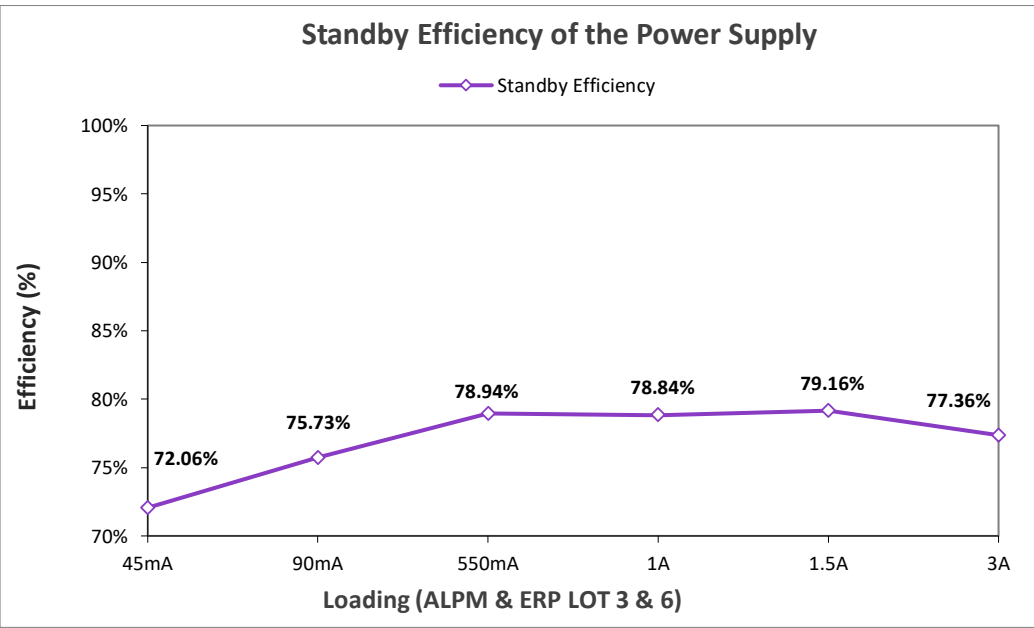
Input AC Current Waveform (ITHD = 12.52%, 50% Load)

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		
0.124	0.3065	20.58	0%	4.38	No-Load						
0.304	0.9114	19.36	2%/10W	31.83	12.103/1.794	12.042/0.005	3.293/0.259	5.024/0.259	5.025/0.054	24.19	76.01%
0.703	0.9729	15.37	5%	78.66	12.173/4.484	12.043/0.013	3.292/0.648	5.021/0.648	5.021/0.135	60.80	77.29%
1.260	0.9818	16.54	10%	142.28	12.177/8.967	12.046/0.027	3.282/1.294	5.002/1.294	5.001/0.269	121.57	85.45%
2.337	0.9911	11.20	20%	266.30	12.176/17.931	12.049/0.054	3.279/2.590	4.999/2.590	4.995/0.538	243.10	91.29%
5.805	0.9885	12.52	50%	659.84	12.114/44.825	12.053/0.135	3.282/6.478	5.004/6.479	4.994/1.345	604.99	91.69%
11.926	0.9935	9.63	100%	1361.68	12.048/89.644	12.065/0.269	3.280/12.957	5.008/12.958	4.987/2.689	1204.00	88.42%

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	0.0031	0.90	0mA	0.03	Vampire Load			
0.087	0.0319	9.38	45mA	0.32	5.077/0.045		0.23	72.06%
0.088	0.0598	16.56	90mA	0.60	5.076/0.090		0.46	75.73%
0.111	0.2753	57.39	550mA	3.53	5.066/0.550		2.79	78.94%
0.147	0.3798	71.90	1A	6.41	5.055/1.000		5.06	78.84%
0.190	0.4384	77.79	1.5A	9.56	5.044/1.500		7.57	79.16%
0.335	0.5050	82.74	3A	19.44	5.008/3.003		15.04	77.36%

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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