

80 PLUS Verification and Testing Report

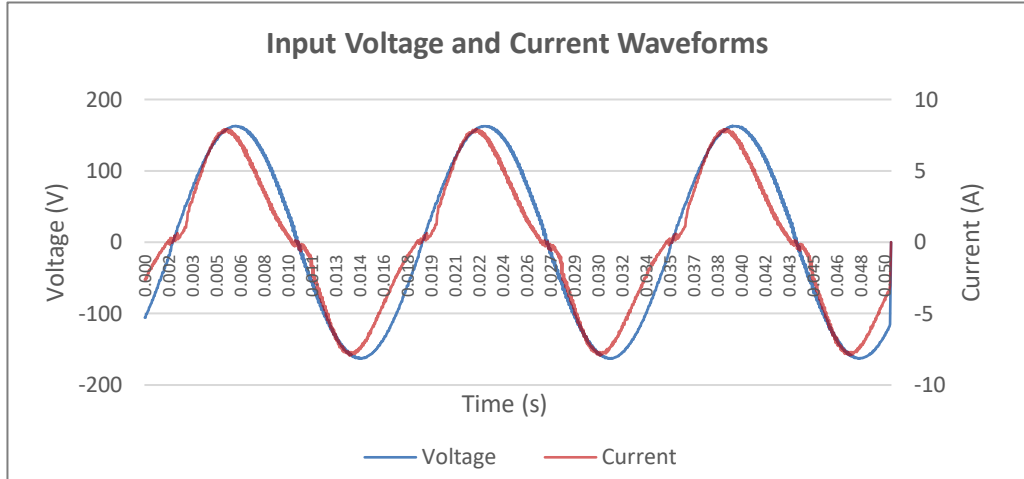
TYPICAL EFFICIENCY (50% Load):	91.13%
AVERAGE EFFICIENCY :	79.76%
AVERAGE STANDBY EFFICIENCY :	76.12%
80 PLUS COMPLIANT:	Gold



ID Number	7806
Manufacturer	Cooler Master
Model Number	MPW-A001-AFAG
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	5/2/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15-8	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.

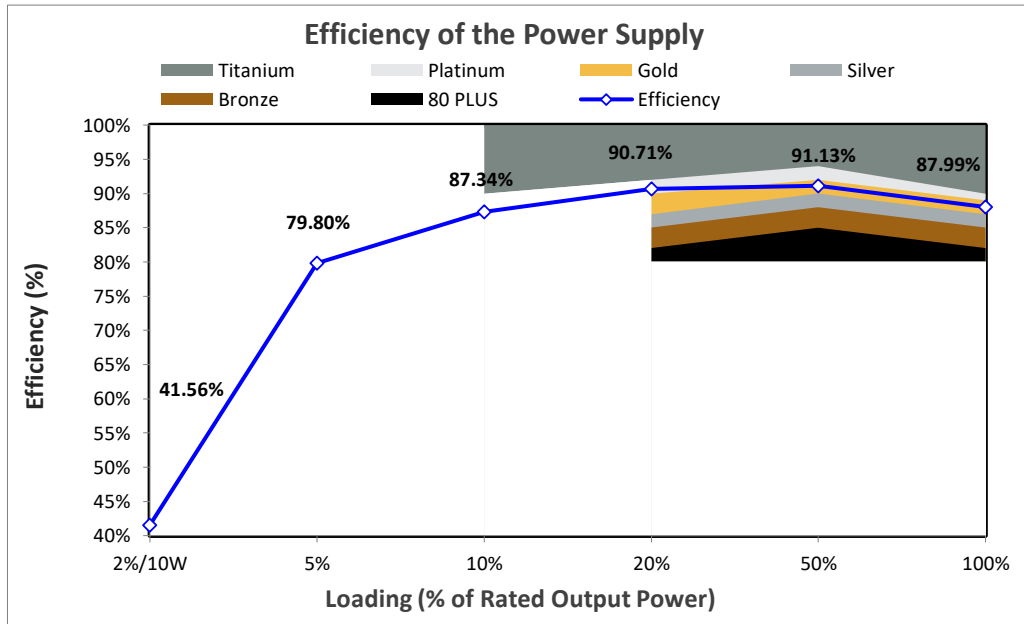
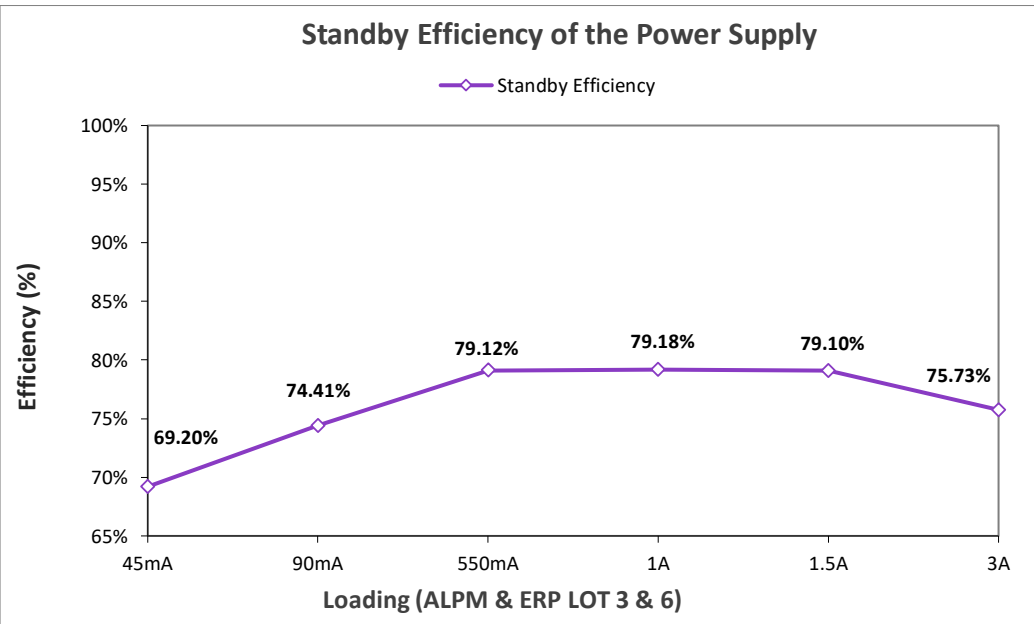


I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.142	0.5040	19.51	0%	8.22	No-Load						
0.445	0.9373	18.66	2%/10W	47.92	11.930/1.479	12.259/0.005	3.332/0.235	4.999/0.235	5.103/0.053	19.92	41.56%
0.575	0.9434	18.87	5%	62.35	11.924/3.694	12.258/0.013	3.330/0.587	4.997/0.587	5.099/0.133	49.76	79.80%
1.030	0.9624	20.01	10%	113.90	11.921/7.386	12.049/0.027	3.331/1.173	4.997/1.172	5.093/0.266	99.48	87.34%
1.954	0.9758	18.71	20%	219.34	11.924/14.769	11.683/0.053	3.331/2.348	4.996/2.347	5.082/0.532	198.97	90.71%
4.864	0.9745	17.77	50%	545.16	11.907/36.922	11.702/0.133	3.334/5.872	4.998/5.871	5.045/1.330	496.82	91.13%
9.953	0.9831	14.74	100%	1125.64	11.865/73.836	11.981/0.266	3.335/11.744	4.995/11.744	4.983/2.659	990.40	87.99%

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	0.0051	1.43	0mA	0.05	Vampire Load			
0.087	0.0329	10.25	45mA	0.33	5.086/0.045		0.23	69.20%
0.089	0.0604	17.65	90mA	0.62	5.085/0.090		0.46	74.41%
0.114	0.2693	59.12	550mA	3.53	5.076/0.550		2.79	79.12%
0.152	0.3668	73.56	1A	6.40	5.067/1.000		5.07	79.18%
0.197	0.4224	79.38	1.5A	9.59	5.056/1.500		7.59	79.10%
0.352	0.4916	83.73	3A	19.92	5.025/3.003		15.09	75.73%

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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