80 PLUS Verification and Testing Report

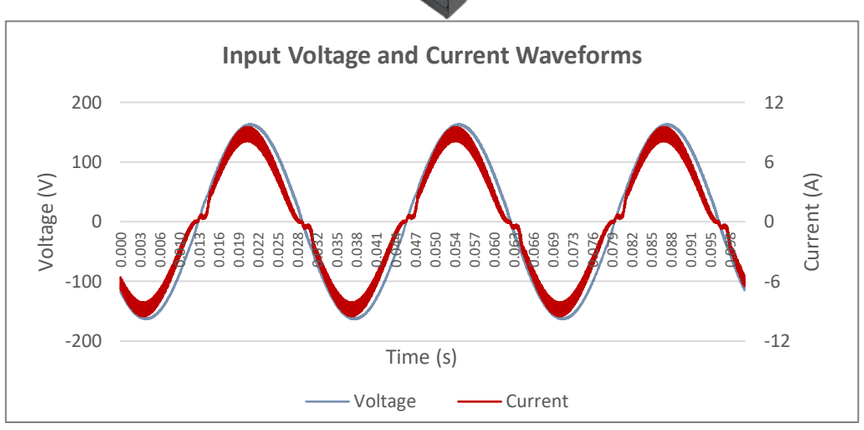
TYPICAL EFFICIENCY (50% Load):	**91.45%**
AVERAGE EFFICIENCY :	**85.14%**
AVERAGE STANDBY EFFICIENCY :	**78.80%**
80 PLUS COMPLIANT:	**Gold**



ID Number	8123
Manufacturer	Cooler Master
Model Number	MPX-C005-AFAG
Sample 1 S/N:	SCM0041200WF0600001
Sample 2 S/N:	SCM0041200WF0600002
Type	ATX 3.1
Test Date	2/19/26

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



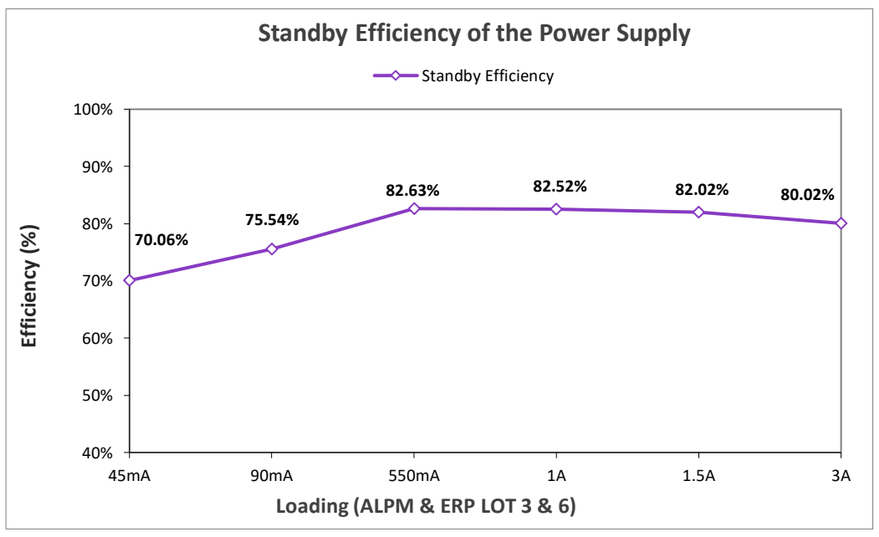
Input AC Current Waveform (ITHD = 10.88%, 50% Load)

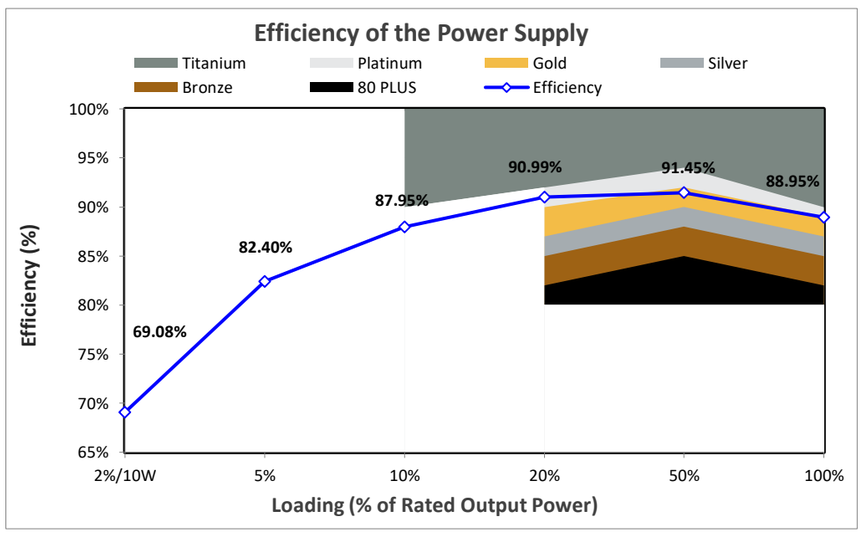
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.170	0.4527	43.72	0%	**8.87**	**No-Load**						
0.374	**0.8196**	18.66	2%/10W	**35.22**	12.170/1.794	12.089/0.005	3.291/0.259	5.029/0.259	5.112/0.054	**24.33**	**69.08%**
0.701	**0.9150**	13.22	5%	**73.79**	12.172/4.483	12.087/0.013	3.292/0.648	5.029/0.648	5.108/0.135	**60.81**	**82.40%**
1.245	**0.9659**	8.95	10%	**138.32**	12.175/8.968	12.085/0.027	3.294/1.294	5.030/1.294	5.102/0.269	**121.65**	**87.95%**
2.392	**0.9716**	16.16	20%	**267.46**	12.179/17.932	12.080/0.054	3.295/2.590	5.030/2.590	5.089/0.538	**243.36**	**90.99%**
5.851	**0.9897**	10.88	50%	**665.72**	12.190/44.827	12.068/0.135	3.296/6.478	5.031/6.479	5.053/1.345	**608.80**	**91.45%**
11.977	**0.9941**	8.77	100%	**1369.40**	12.198/89.650	12.053/0.269	3.297/12.958	5.032/12.958	4.994/2.689	**1218.11**	**88.95%**

Note: Efficiency data was obtained from Sample 1 (Serial Number: SCM0041200WF0600001)

$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)	Output Watts	Standby Efficiency
					5VSB		
0.076	0.0056	4.24	0mA	**0.05**	**Vampire Load**		
0.079	**0.0359**	11.80	45mA	**0.33**	5.113/0.045	**0.23**	**70.06%**
0.086	**0.0614**	19.58	90mA	**0.61**	5.112/0.090	**0.46**	**75.54%**
0.115	**0.2575**	62.62	550mA	**3.39**	5.100/0.550	**2.81**	**82.63%**
0.151	**0.3546**	76.42	1A	**6.17**	5.088/1.000	**5.09**	**82.52%**
0.196	**0.4119**	81.01	1.5A	**9.28**	5.076/1.500	**7.62**	**82.02%**
0.345	**0.4749**	84.19	3A	**18.89**	5.037/3.001	**15.11**	**80.02%**

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: SCM0041200WF0600002)





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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