80 PLUS Verification and Testing Report

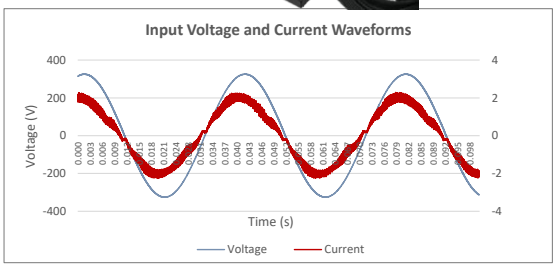


TYPICAL EFFICIENCY (50% Load):	88.90%
AVERAGE EFFICIENCY :	79.79%
AVERAGE STANDBY EFFICIENCY :	68.44%
80 PLUS COMPLIANT:	Bronze

ID Number	EU-1374
Manufacturer	Cooler Master
Model Number	MPT-55S2-ANB
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX2.52
Test Date	9/8/26

Rated	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



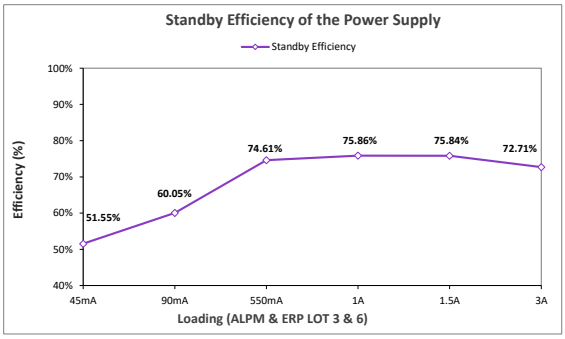
Input AC Current Waveform (ITHD = 5.98%, 50% Load)

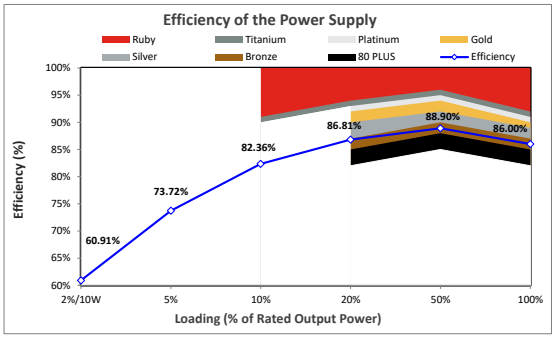
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.191	0.1066	12.90	0%	4.80	No-Load						
0.283	**0.2823**	34.28	2%/10W	18.36	12.187/0.753	11.920/0.005	3.372/0.201	5.112/0.201	5.106/0.050	11.18	60.91%
0.370	**0.4457**	49.12	5%	37.91	12.185/1.880	11.947/0.013	3.370/0.503	5.108/0.503	5.094/0.125	27.95	73.72%
0.471	**0.6257**	62.41	10%	67.79	12.181/3.756	11.965/0.025	3.366/1.005	5.101/1.006	5.074/0.251	55.83	82.36%
0.669	**0.8348**	41.79	20%	128.52	12.173/7.514	11.991/0.050	3.359/2.011	5.089/2.012	5.035/0.501	111.57	86.81%
1.389	**0.9788**	5.98	50%	312.78	12.148/18.788	12.068/0.125	3.334/5.030	5.054/5.031	4.917/1.253	278.06	88.90%
2.829	**0.9908**	5.49	100%	644.83	12.148/37.574	12.272/0.251	3.286/10.061	4.962/10.061	4.868/2.505	554.56	86.00%

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		
0.143	0.0048	1.21	0mA	0.14	Vampire Load		
0.144	**0.0134**	3.99	45mA	0.45	5.117/0.045	0.23	51.55%
0.144	**0.0233**	6.96	90mA	0.77	5.114/0.090	0.46	60.05%
0.151	**0.1096**	29.11	550mA	3.75	5.083/0.550	2.80	74.61%
0.164	**0.1743**	44.53	1A	6.66	5.052/1.000	5.05	75.86%
0.182	**0.2344**	56.85	1.5A	9.92	5.017/1.500	7.53	75.84%
0.252	**0.3400**	75.07	3A	19.44	4.714/2.999	14.14	72.71%

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]*