80 PLUS Verification and Testing Report

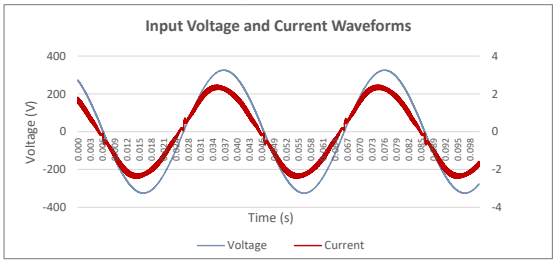


TYPICAL EFFICIENCY (50% Load):	89.32%
AVERAGE EFFICIENCY :	80.51%
AVERAGE STANDBY EFFICIENCY :	69.97%
80 PLUS COMPLIANT:	Bronze

ID Number	EU-1262
Manufacturer	Cooler Master
Model Number	MPX-6501-ACBB
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	10/28/25

Rated	Value	Units
Input Voltage	200-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



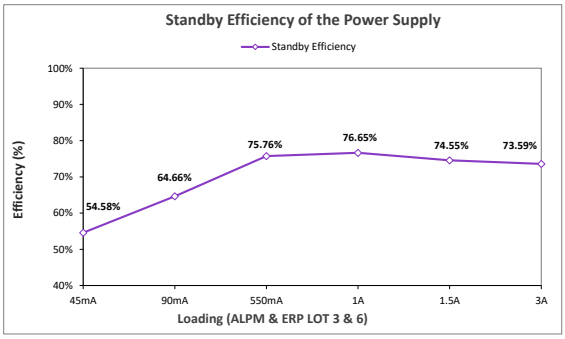
Input AC Current Waveform (ITHD = 3.87%, 50% Load)

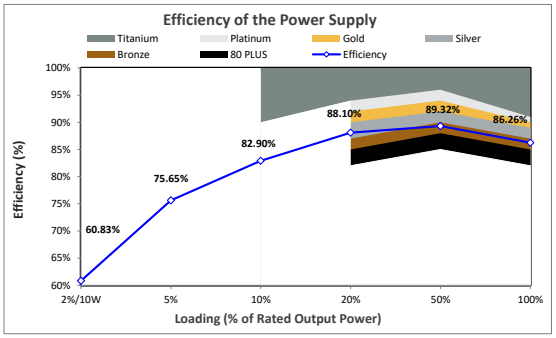
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.198	0.1256	12.34	0%	5.75	No-Load						
0.300	**0.3147**	39.06	2%/10W	21.82	12.247/0.917	11.974/0.005	3.375/0.204	5.114/0.204	5.108/0.051	13.27	60.83%
0.399	**0.4774**	68.77	5%	43.85	12.246/2.291	12.000/0.013	3.373/0.511	5.111/0.511	5.101/0.127	33.17	75.65%
0.509	**0.6832**	58.17	10%	79.99	12.243/4.581	12.019/0.025	3.369/1.019	5.103/1.020	5.092/0.254	66.31	82.90%
0.734	**0.8909**	33.01	20%	150.41	12.236/9.159	12.045/0.051	3.358/2.041	5.093/2.041	5.072/0.509	132.51	88.10%
1.634	**0.9845**	3.87	50%	369.96	12.215/22.896	12.127/0.127	3.331/5.106	5.062/5.106	5.010/1.272	330.44	89.32%
3.338	**0.9935**	4.44	100%	762.60	12.177/45.789	12.272/0.254	3.286/10.213	5.006/10.214	4.904/2.543	657.78	86.26%

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		
0.144	0.0037	1.55	0mA	0.12	Vampire Load		
0.144	**0.0128**	4.35	45mA	0.42	5.106/0.045	0.23	54.58%
0.145	**0.0211**	7.13	90mA	0.71	5.100/0.090	0.46	64.66%
0.152	**0.1049**	29.21	550mA	3.66	5.040/0.550	2.77	75.76%
0.164	**0.1720**	44.32	1A	6.49	4.973/1.000	4.97	76.65%
0.182	**0.2322**	56.53	1.5A	9.73	4.834/1.500	7.25	74.55%
0.248	**0.3304**	74.53	3A	19.11	4.687/3.000	14.06	73.59%

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]