80 PLUS Verification and Testing Report

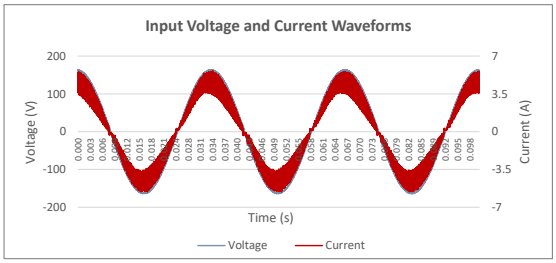
TYPICAL EFFICIENCY (50% Load):	90.71%
AVERAGE EFFICIENCY :	83.07%
AVERAGE STANDBY EFFICIENCY :	77.51%
80 PLUS COMPLIANT:	Gold



ID Number	8236
Manufacturer	Cooler Master
Model Number	MPM-65F3-ANG
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	7/30/26

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



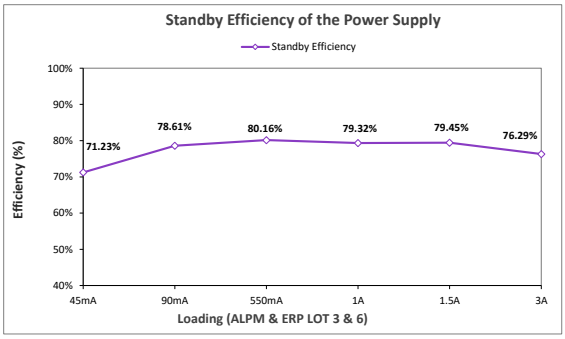
Input AC Current Waveform (ITHD = 10.36%, 50% Load)

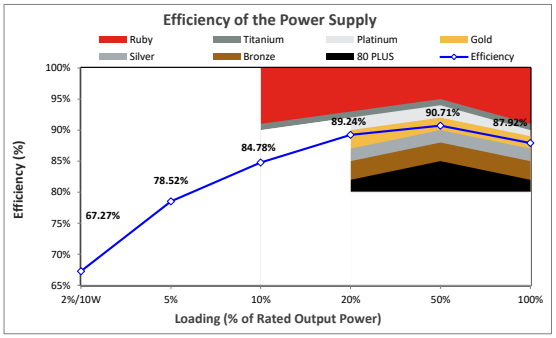
$I_{RMS\ (A)}$	PF	$I_{THD\ (\%)}$	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.157	0.2564	16.19	0%	4.63	No-Load						
0.270	**0.6268**	21.14	2%/10W	19.43	12.089/0.893	12.416/0.005	3.298/0.239	4.946/0.239	5.133/0.050	13.07	**67.27%**
0.455	**0.7948**	11.87	5%	41.61	12.083/2.232	12.415/0.012	3.296/0.597	4.949/0.597	5.129/0.124	32.67	**78.52%**
0.757	**0.8835**	5.92	10%	77.01	12.074/4.461	12.415/0.025	3.296/1.193	4.961/1.194	5.123/0.248	65.28	**84.78%**
1.321	**0.9621**	6.70	20%	146.20	12.058/8.922	12.414/0.050	3.293/2.388	4.973/2.389	5.109/0.496	130.46	**89.24%**
3.159	**0.9866**	10.36	50%	358.47	12.007/22.309	12.415/0.124	3.285/5.972	5.008/5.973	5.066/1.240	325.18	**90.71%**
6.425	**0.9943**	6.80	100%	734.90	11.913/44.614	12.417/0.248	3.263/11.946	5.058/11.945	4.993/2.479	646.13	**87.92%**

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		
0.112	0.0017	4.40	0mA	0.04	Vampire Load		
0.115	**0.0227**	10.06	45mA	0.32	5.124/0.045	0.23	**71.23%**
0.124	**0.0391**	16.20	90mA	0.59	5.123/0.090	0.46	**78.61%**
0.156	**0.1946**	56.62	550mA	3.51	5.109/0.550	2.81	**80.16%**
0.197	**0.2826**	72.63	1A	6.42	5.095/1.000	5.09	**79.32%**
0.247	**0.3383**	81.00	1.5A	9.59	5.079/1.500	7.62	**79.45%**
0.415	**0.4073**	86.05	3A	19.78	5.031/2.999	15.09	**76.29%**

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]*