

80 PLUS Verification and Testing Report

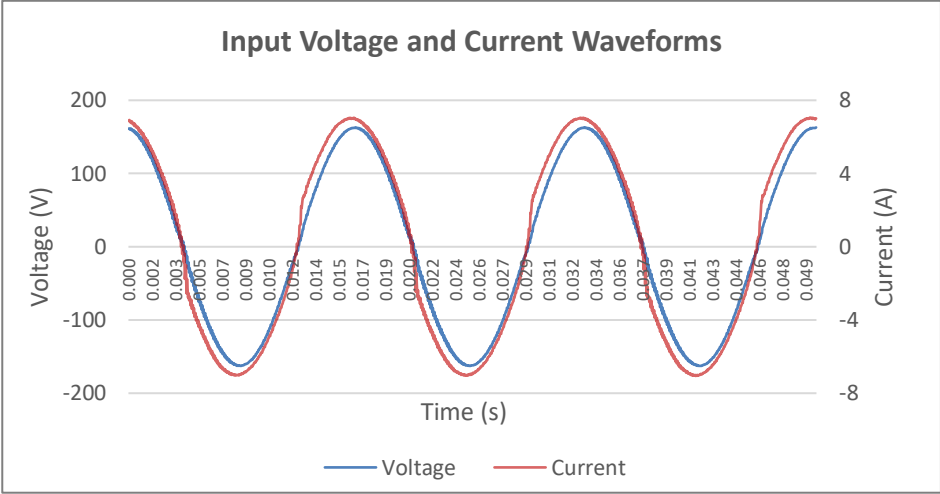
TYPICAL EFFICIENCY (50% Load):	93.07%
AVERAGE EFFICIENCY :	88.99%
80 PLUS COMPLIANT:	Platinum



ID Number	7217
Manufacturer	Cooler Master
Model Number	MPZ-B002-AFAP
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	11/1/23

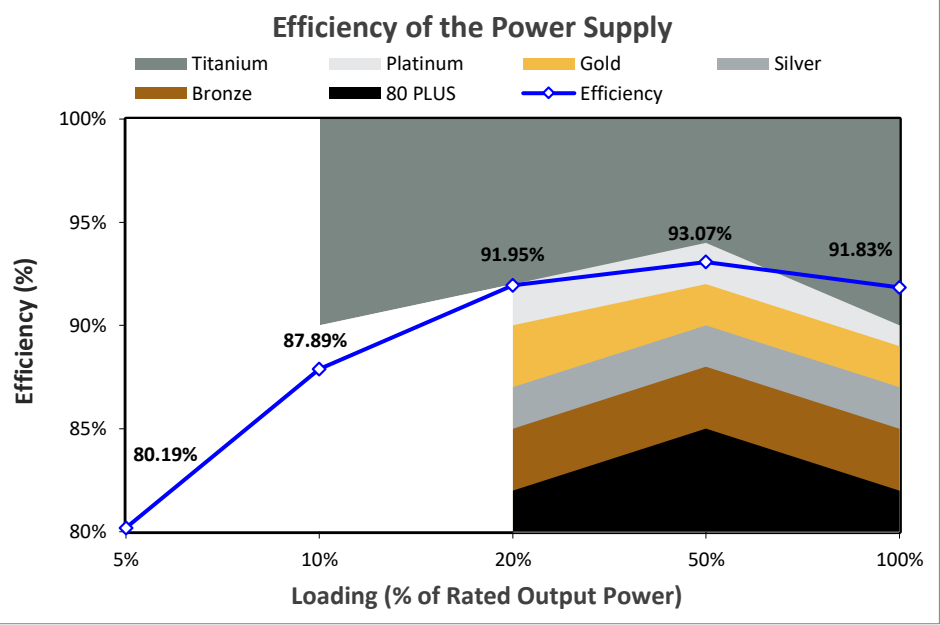
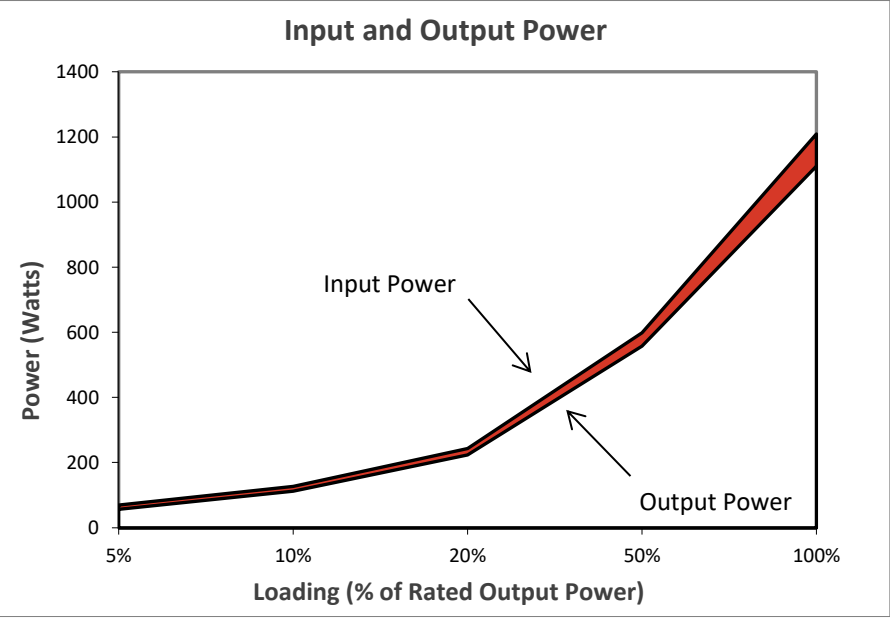
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13-7	Amps
Input Frequency	50-60	Hz
Rated Output Power	1100	Watts

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



Input AC Current Waveform (ITHD = 8.89%, 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	5Vstb		
0.285	0.3017	29.62	0%	9.86	No-Load						
0.728	0.8345	33.03	5%	69.88	12.22/4.07	11.93/0.013	3.38/0.64	5.06/0.64	5.17/0.133	56.03	80.19%
1.180	0.9396	20.67	10%	127.53	12.22/8.15	11.93/0.027	3.38/1.28	5.06/1.28	5.17/0.267	112.09	87.89%
2.154	0.9828	10.85	20%	243.58	12.22/16.29	11.92/0.053	3.37/2.57	5.05/2.57	5.15/0.533	223.97	91.95%
5.242	0.9940	8.89	50%	599.14	12.17/40.71	11.92/0.133	3.35/6.42	5.04/6.43	5.12/1.333	557.62	93.07%
10.527	0.9989	3.55	100%	1208.97	12.12/81.41	11.91/0.267	3.33/12.85	5.02/12.85	5.06/2.665	1110.17	91.83%



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. <http://www.80plus.org/>