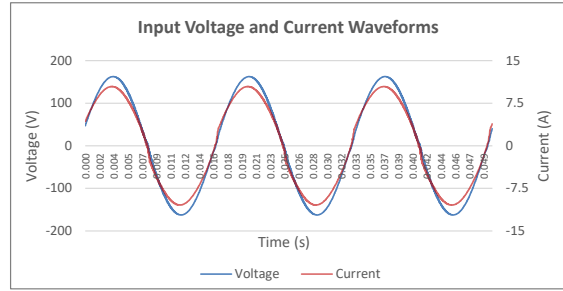


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.01%
AVERAGE EFFICIENCY :	90.04%
80 PLUS COMPLIANT:	Platinum



ID Number	7173
Manufacturer	Cooler Master
Model Number	MPZ-G002-AFAP
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	10/4/23

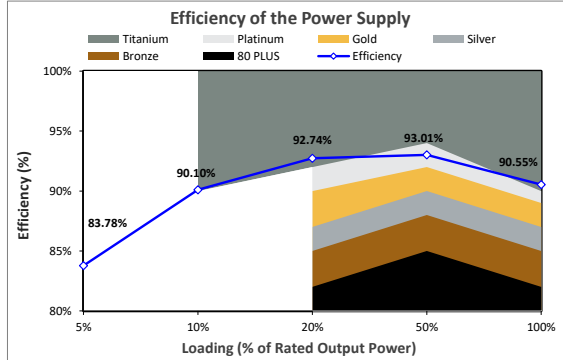
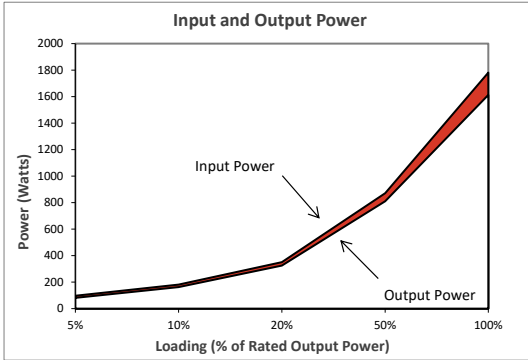


Input AC Current Waveform (ITHD = 5.47%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	16-8	Amps
Input Frequency	50-60	Hz
Rated Output Power	1600	Watts

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

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)					
No-Load										
0.270	0.3634	32.11	0%	11.26						
0.934	<b>0.9049</b>	25.25	5%	97.19	12.21/0.014	3.36/0.67	5.11/0.67	5.17/0.138	81.42	83.78%
1.620	<b>0.9702</b>	13.96	10%	180.69	12.2/12.27	3.36/1.33	5.11/1.33	5.17/0.276	162.81	90.10%
3.073	<b>0.9923</b>	6.79	20%	350.78	12.19/24.54	3.36/2.66	5.11/2.66	5.15/0.552	325.31	92.74%
7.594	<b>0.9976</b>	5.47	50%	871.00	12.15/61.35	3.34/6.65	5.09/6.66	5.12/1.381	810.16	93.01%
15.504	<b>0.9997</b>	1.63	100%	1781.22	12.09/122.7	3.31/13.31	5.06/13.31	5.05/2.76	1612.83	90.55%



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/>