

80 PLUS Verification and Testing Report

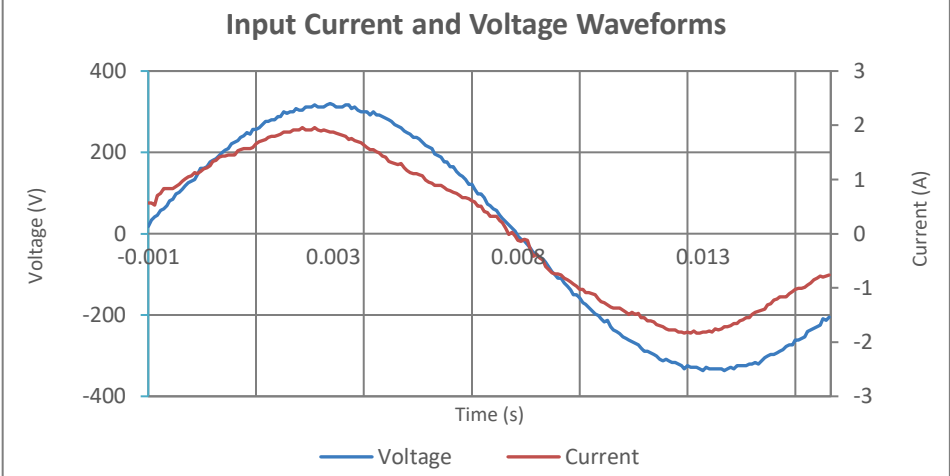
TYPICAL EFFICIENCY (50% Load):	87.41%
AVERAGE EFFICIENCY :	84.76%
80 PLUS COMPLIANT:	Standard



ID Number	EU-912
Manufacturer	Cooler Master
Model Number	MPW-5001-ACBW
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	8/16/22

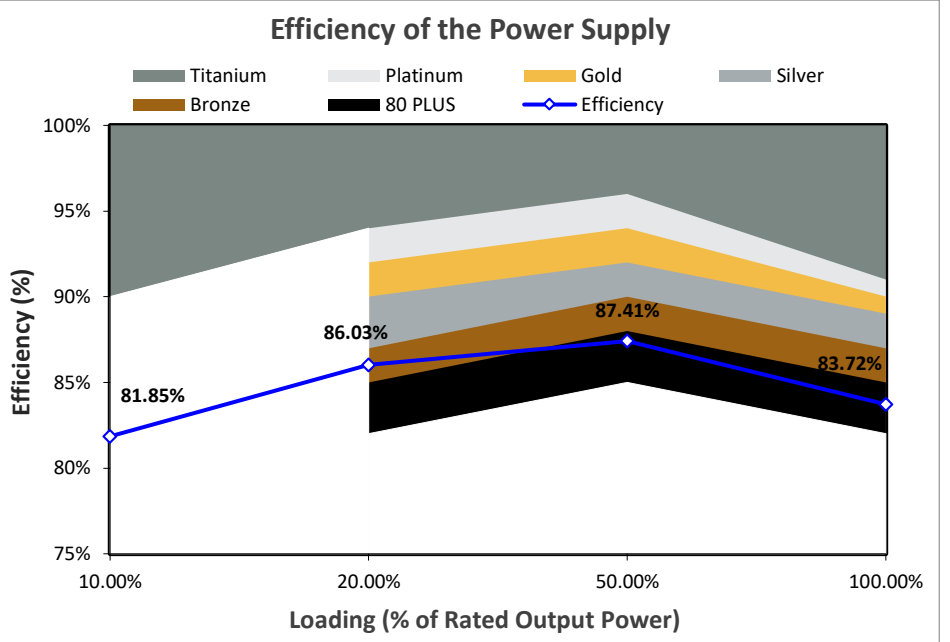
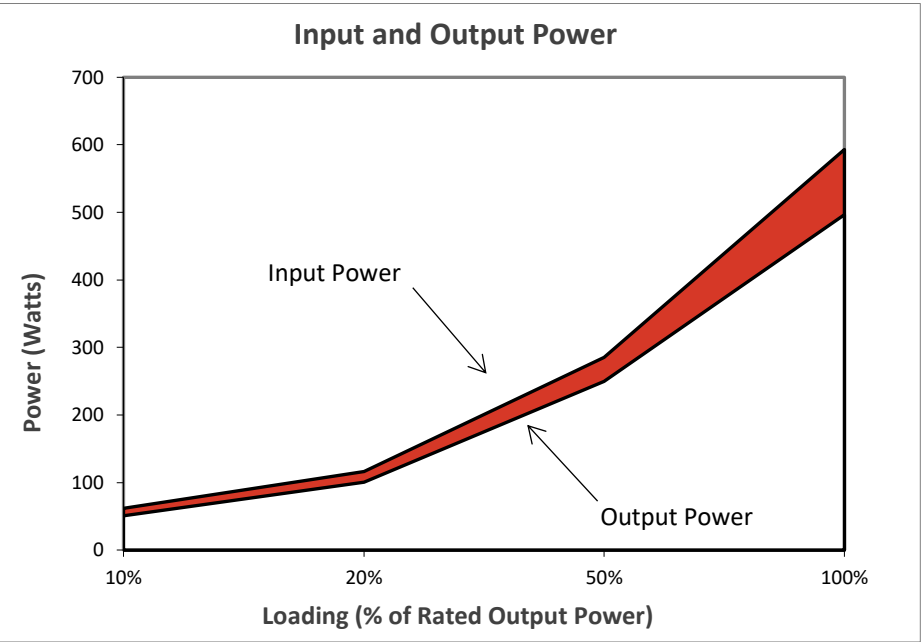
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 5.96%, 50% Load)

I _{RMS}	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		
0.307	0.8766	29.35%	10%	61.89	11.9/3.34	11.58/0.03	3.39/1.28	5.14/1	5.09/0.22	50.66	81.85%
0.526	0.9608	9.34%	20%	116.28	11.9/6.66	11.6/0.05	3.38/2.26	5.13/2.01	5.07/0.44	100.04	86.03%
1.253	0.9909	5.96%	50%	285.60	11.89/16.67	11.72/0.13	3.37/4.9	5.11/5.46	5.03/1.09	249.65	87.41%
2.604	0.9902	10.61%	100%	593.10	11.87/33.25	11.94/0.26	3.34/11.3	5.06/9.93	4.97/2.18	496.55	83.72%



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/>