

80 PLUS Verification and Testing Report

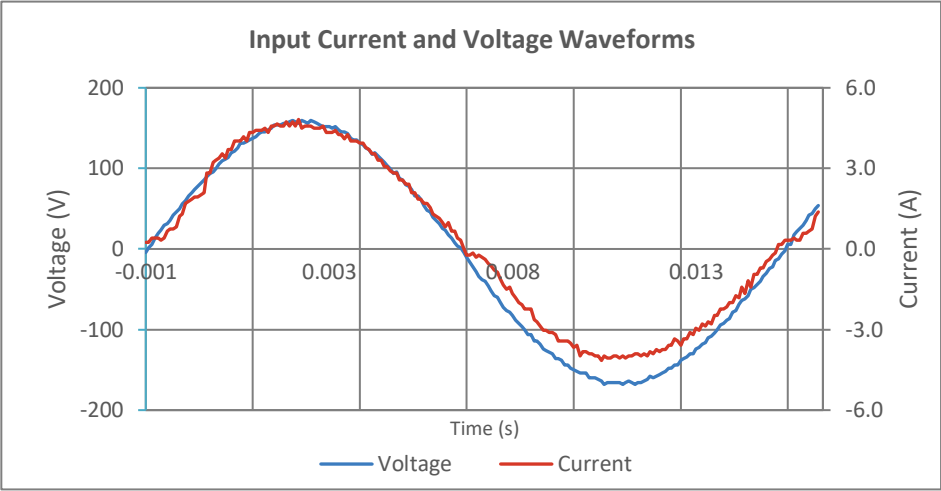
TYPICAL EFFICIENCY (50% Load):	91.67%
AVERAGE EFFICIENCY :	90.55%
80 PLUS COMPLIANT:	Gold



ID Number	6933
Manufacturer	Cooler Master
Model Number	MPX-6503-AFAG
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	12/19/22

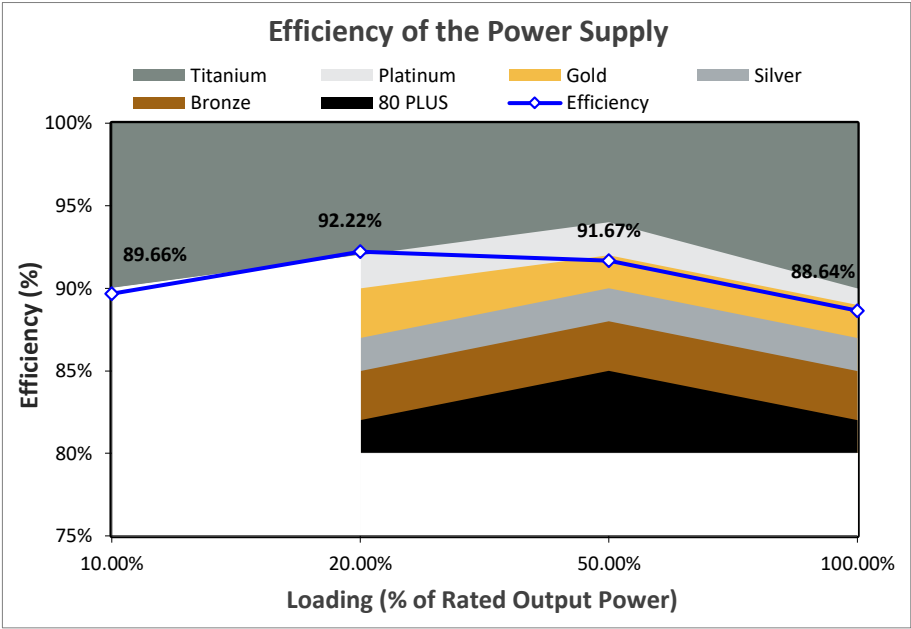
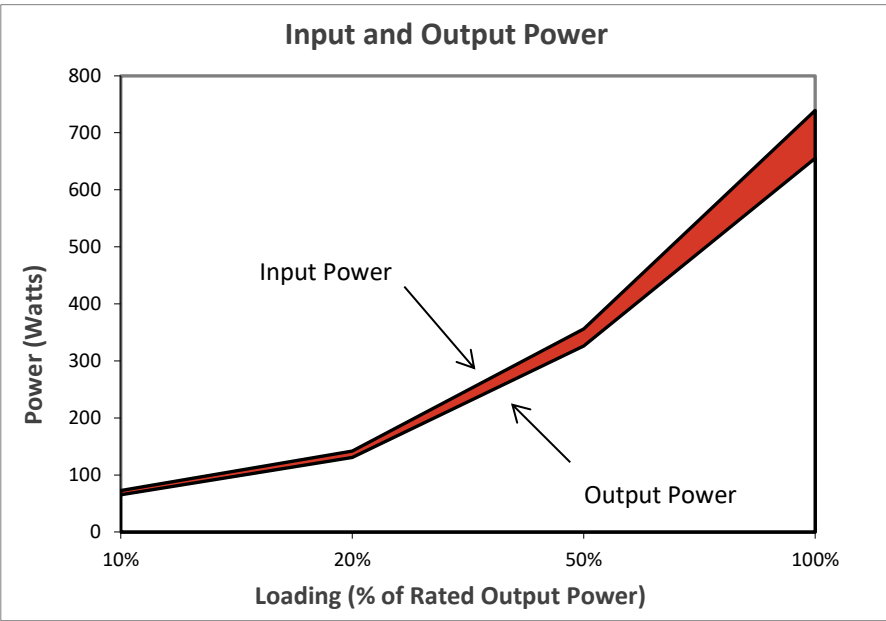
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 5.59%, 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	5Vsb		
0.694	0.9151	21.24%	10%	73.00	12.02/4.49	11.95/0.02	3.32/1.19	5.07/1.19	5.13/0.25	65.45	89.66%
1.290	0.9551	12.50%	20%	141.60	12.03/8.93	11.96/0.05	3.31/2.39	5.06/2.39	5.1/0.5	130.58	92.22%
3.133	0.9892	5.59%	50%	356.30	12.04/22.41	11.95/0.12	3.27/5.97	5.03/5.9	4.98/1.24	326.61	91.67%
6.458	0.9958	3.98%	100%	739.40	12.13/44.78	11.95/0.25	3.22/11.94	4.96/11.81	4.9/2.48	655.43	88.64%



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/>