

80 PLUS Verification and Testing Report

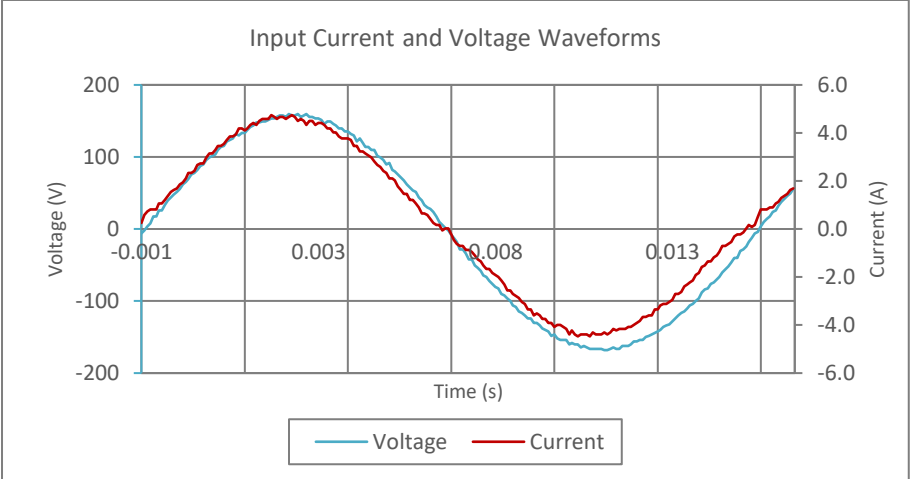
TYPICAL EFFICIENCY (50% Load):	91.52%
AVERAGE EFFICIENCY :	89.87%
80 PLUS COMPLIANT:	YES



ID Number	6636
Manufacturer	Cooler Master
Model Number	MPZ-6501-AFAG
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	9/24/21

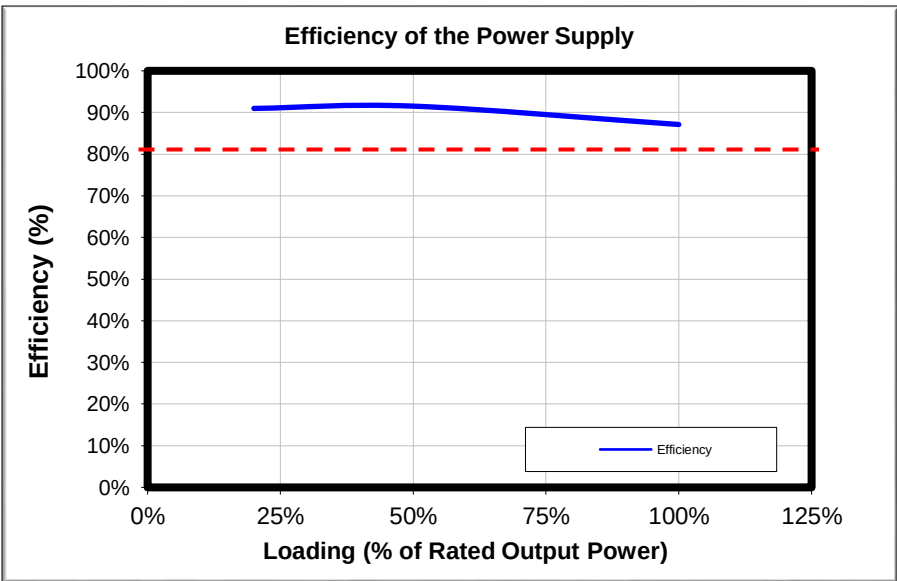
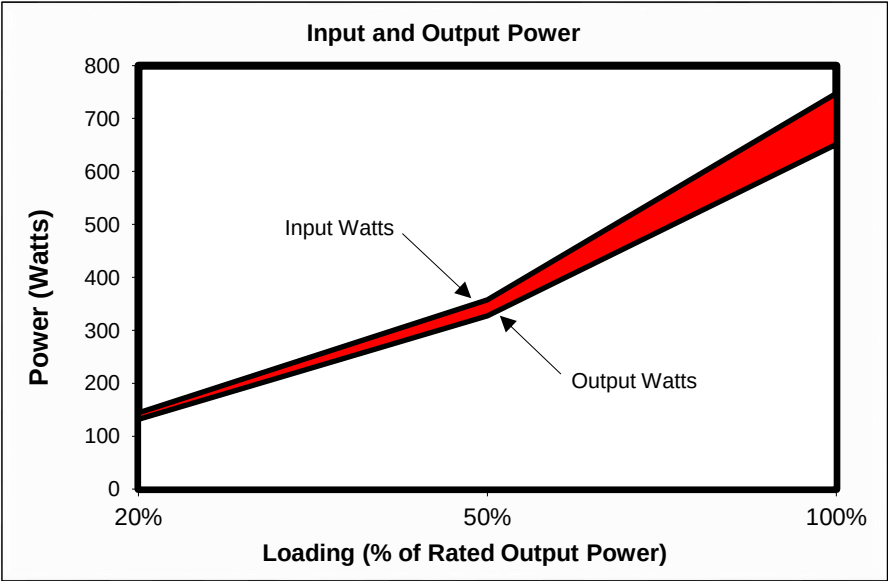
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 4.56%, 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		
0.70	0.93	15.00%	10%	74.61	12.08/4.49	11.7/0.02	3.3/1.19	5.05/1.19	5.01/0.25	65.61	87.94%
1.30	0.97	5.91%	20%	144.37	12.08/8.99	11.54/0.05	3.3/2.38	5.04/2.37	4.99/0.49	131.34	90.97%
3.13	0.99	4.56%	50%	357.60	12.06/22.43	11.73/0.12	3.29/5.97	5.03/5.91	4.93/1.24	327.29	91.52%
6.52	1.00	3.85%	100%	747.70	12.02/44.76	12.09/0.25	3.28/11.92	5.01/11.79	4.84/2.47	651.34	87.11%



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/>