

80 PLUS Verification and Testing Report

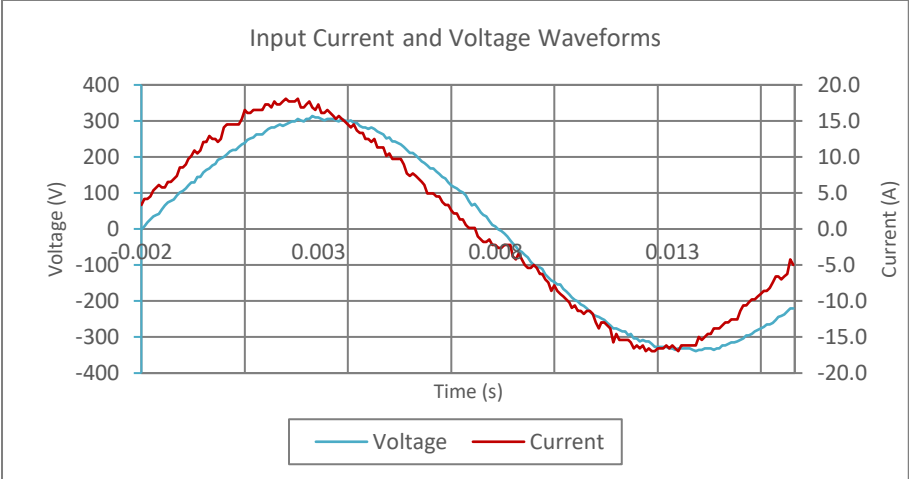
TYPICAL EFFICIENCY (50% Load):	89.37%
AVERAGE EFFICIENCY :	88.17%
80 PLUS COMPLIANT:	YES



ID Number	EU-673
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-4501-ACABW
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	5/22/20

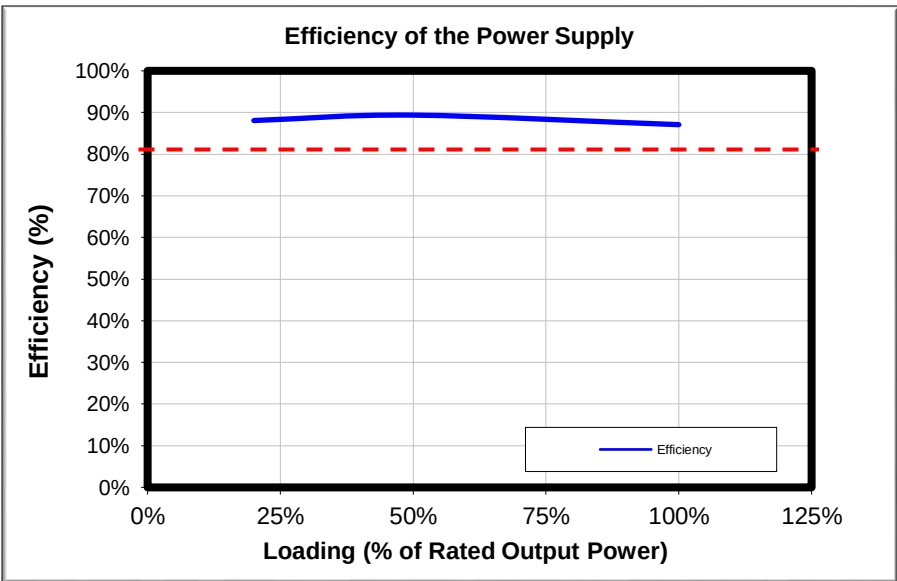
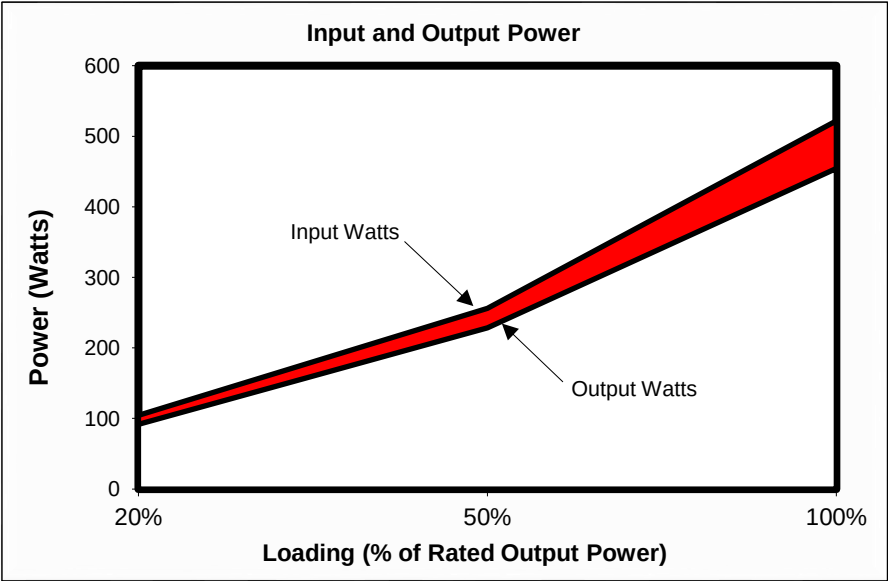
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 8.55%, 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		
0.33	0.73	10.99%	10%	55.66	12.24/2.97	11.57/0.02	3.37/0.96	5.09/0.96	5.13/0.24	45.92	82.49%
0.52	0.87	8.83%	20%	104.43	12.21/5.95	11.54/0.05	3.36/1.93	5.08/1.92	5.11/0.48	91.97	88.07%
1.17	0.95	8.55%	50%	256.00	12.17/14.87	11.69/0.12	3.34/4.82	5.05/4.78	5.07/1.2	228.78	89.37%
2.32	0.98	7.78%	100%	521.80	12.11/29.72	11.95/0.24	3.31/9.65	5/9.55	5/2.4	454.35	87.07%



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/>

