

80 PLUS Verification and Testing Report

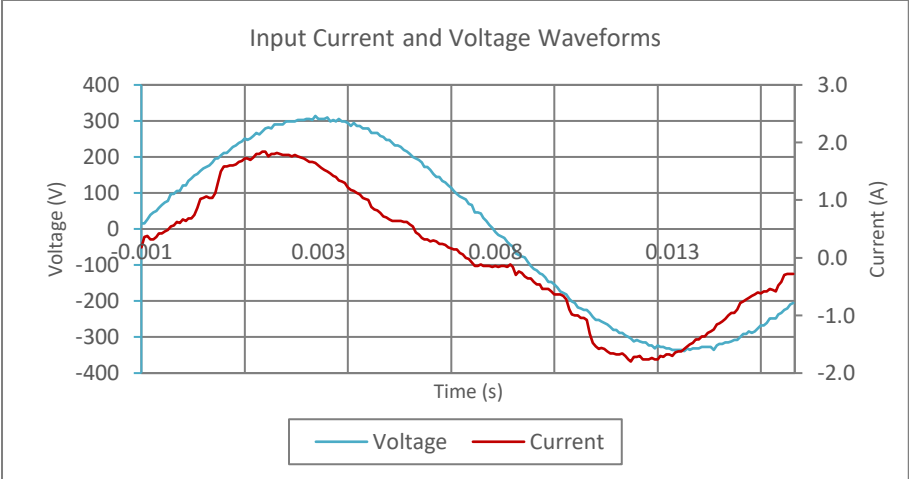
TYPICAL EFFICIENCY (50% Load):	86.36%
AVERAGE EFFICIENCY :	84.89%
80 PLUS COMPLIANT:	YES



ID Number	EU-634
Manufacturer	CoolerMaster
Model Number	MPE-4001-ACABN
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	12/23/19

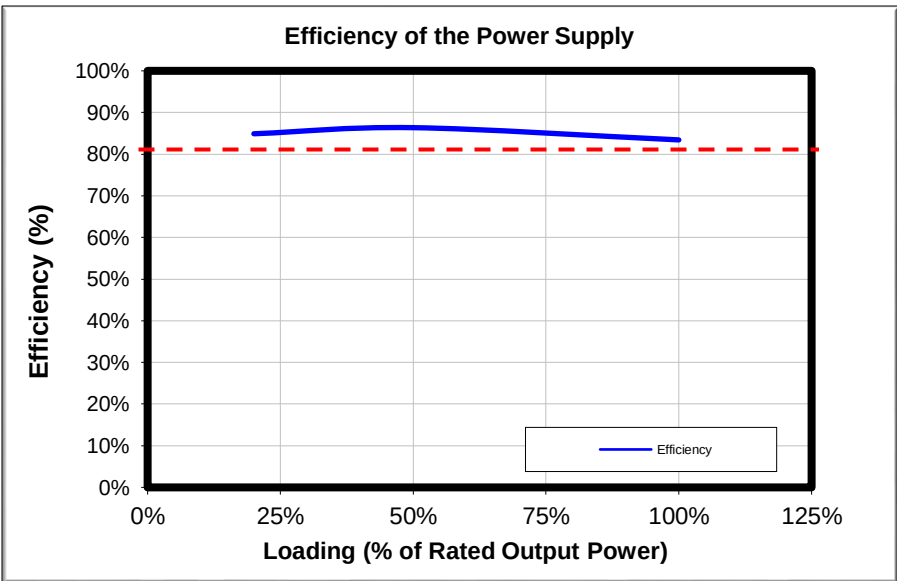
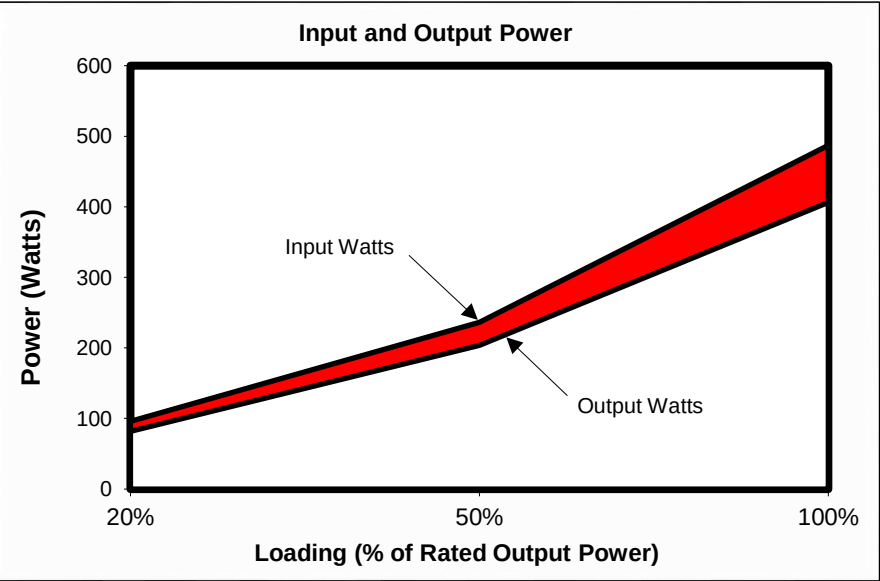
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 21.4%, 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		
0.28	0.80	30.40%	10%	51.34	12.29/2.51	11.42/0.03	3.35/1.01	5.02/1.01	5.11/0.25	40.85	79.56%
0.47	0.89	26.74%	20%	96.20	12.29/5.03	11.48/0.05	3.35/2.01	5/2	5.1/0.5	81.67	84.89%
1.09	0.95	21.40%	50%	236.20	12.28/12.6	11.63/0.13	3.33/5.03	4.97/4.99	5.06/1.25	203.98	86.36%
2.19	0.97	15.90%	100%	487.10	12.26/25.18	11.97/0.25	3.29/10.08	4.9/9.97	4.98/2.51	406.33	83.42%



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/>

