

80 PLUS Verification and Testing Report

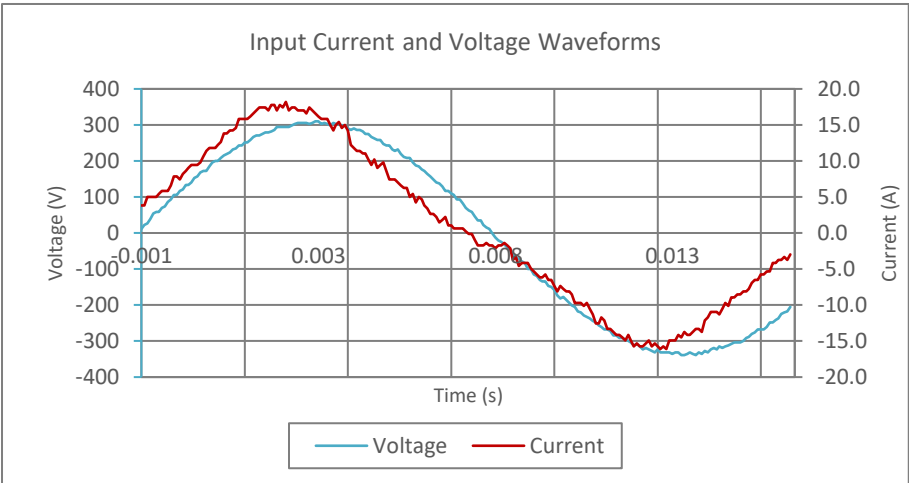
TYPICAL EFFICIENCY (50% Load):	88.60%
AVERAGE EFFICIENCY :	86.99%
80 PLUS COMPLIANT:	YES



ID Number	EU-496
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-4001-ACABW
Serial Number	N/A
Year	2019
Type	EPS12V
Test Date	2/21/19

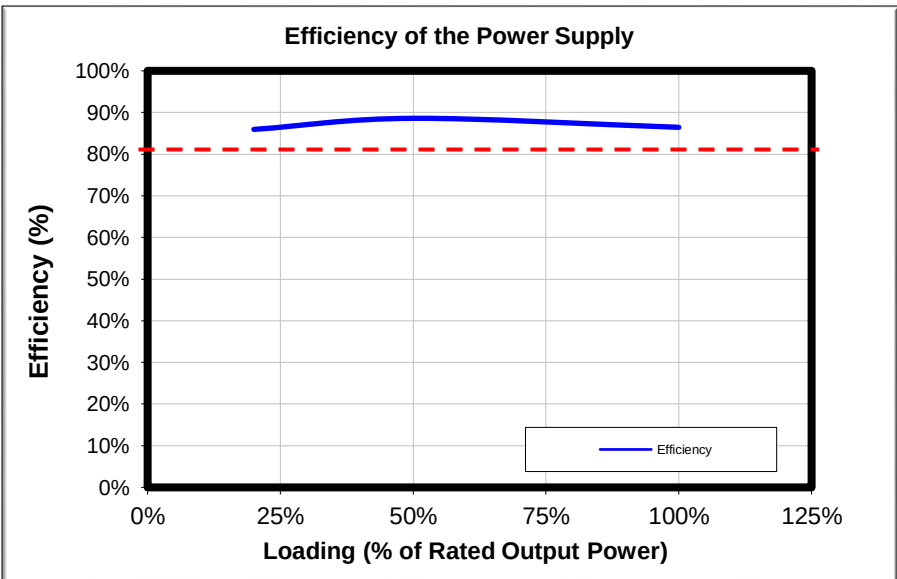
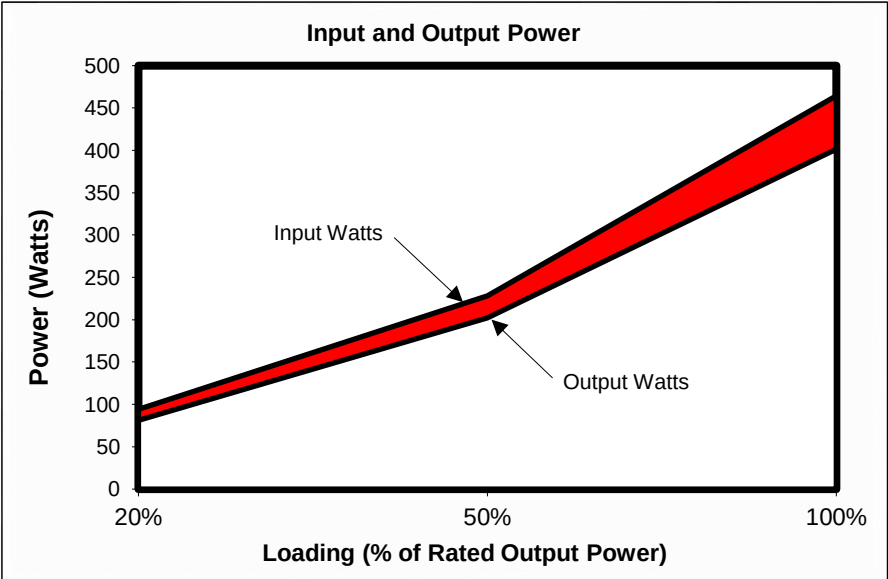
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 15.64%, 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	14.69%	10%	55.52	12.17/2.58	12.48/0.02	3.35/0.94	5/0.94	5.18/0.23	40.64	73.20%
0.49	0.83	13.75%	20%	94.28	12.15/5.13	12.08/0.05	3.34/1.87	4.99/1.86	5.17/0.47	81.02	85.94%
1.07	0.93	15.64%	50%	228.19	12.11/12.9	11.85/0.12	3.33/4.67	4.97/4.64	5.13/1.17	202.17	88.60%
2.11	0.96	16.73%	100%	464.40	12.05/25.75	12.28/0.23	3.3/9.38	4.92/9.28	5.07/2.33	401.44	86.44%



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/>

