

80 PLUS Verification and Testing Report

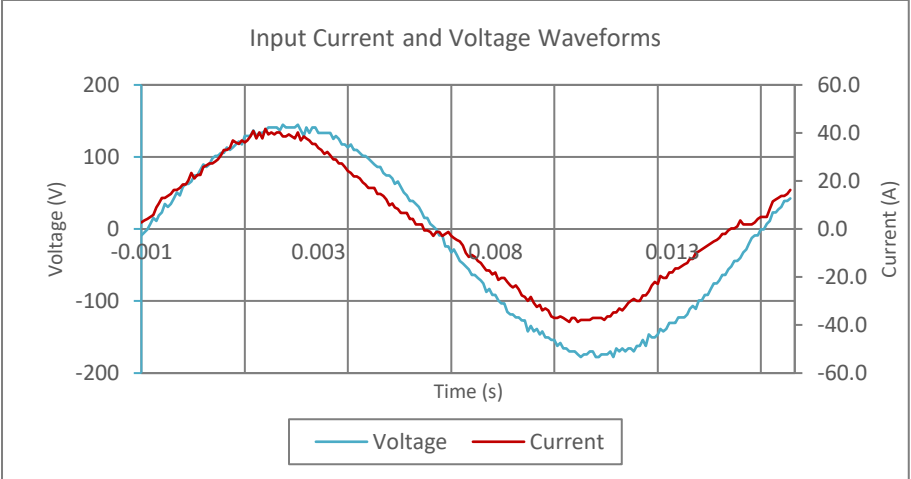
TYPICAL EFFICIENCY (50% Load):	87.81%
AVERAGE EFFICIENCY :	86.10%
80 PLUS COMPLIANT:	YES



ID Number	5506
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-5001-ACAAB
Serial Number	N/A
Year	2018
Type	EPS12V
Test Date	2/25/19

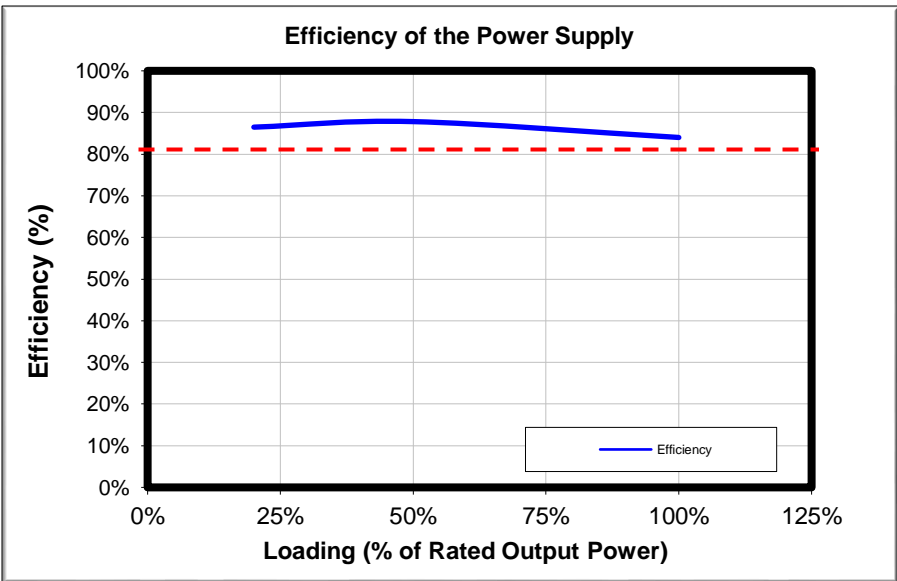
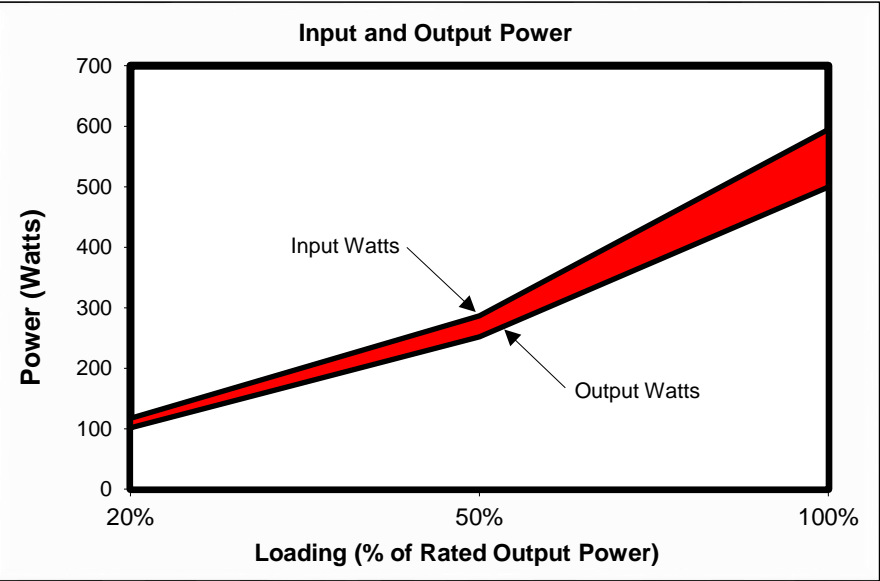
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 10.48%, 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		
0.69	0.95	10.51%	10%	75.30	12.1/3.27	12.56/0.02	3.35/1.13	4.99/1.13	5.18/0.24	50.46	67.02%
1.05	0.97	9.74%	20%	116.80	12.09/6.54	11.9/0.05	3.35/2.27	4.99/2.26	5.17/0.47	101.01	86.48%
2.53	0.98	10.48%	50%	286.40	12.04/16.39	11.73/0.12	3.33/5.67	4.96/5.62	5.13/1.18	251.49	87.81%
5.20	0.99	6.06%	100%	594.50	11.98/32.73	12.01/0.24	3.3/11.34	4.91/11.22	5.07/2.35	499.40	84.00%



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/>

