

80 PLUS Verification and Testing Report

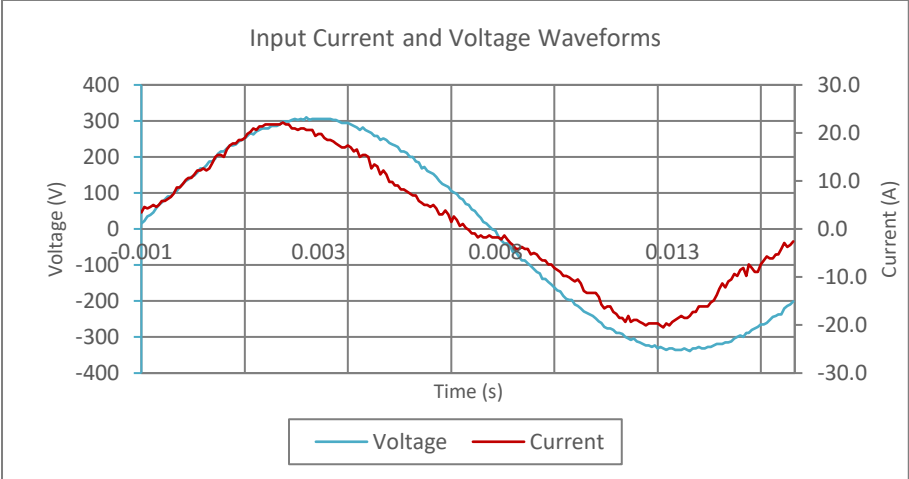
TYPICAL EFFICIENCY (50% Load):	89.52%
AVERAGE EFFICIENCY :	87.30%
80 PLUS COMPLIANT:	YES



ID Number	EU-493
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-5001-ACABW
Serial Number	N/A
Year	2019
Type	EPS12V
Test Date	2/20/19

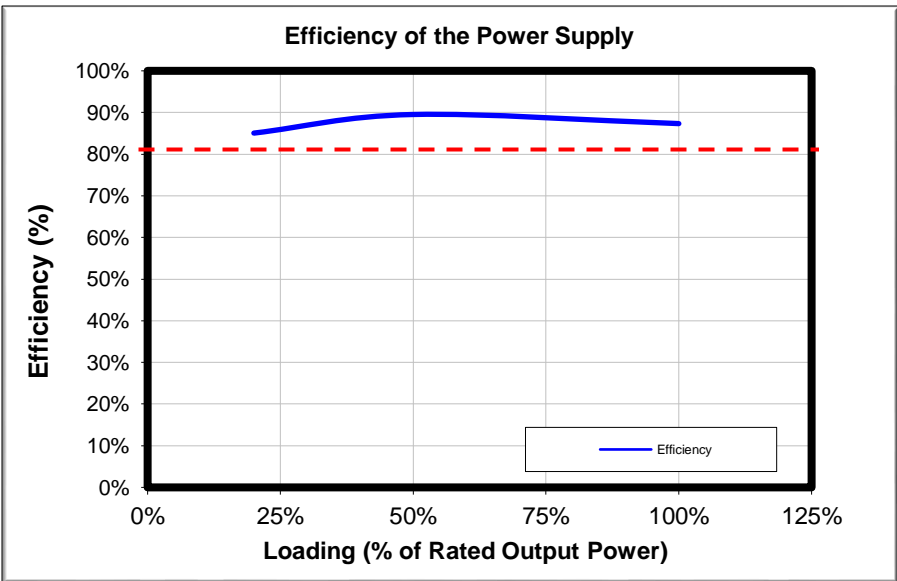
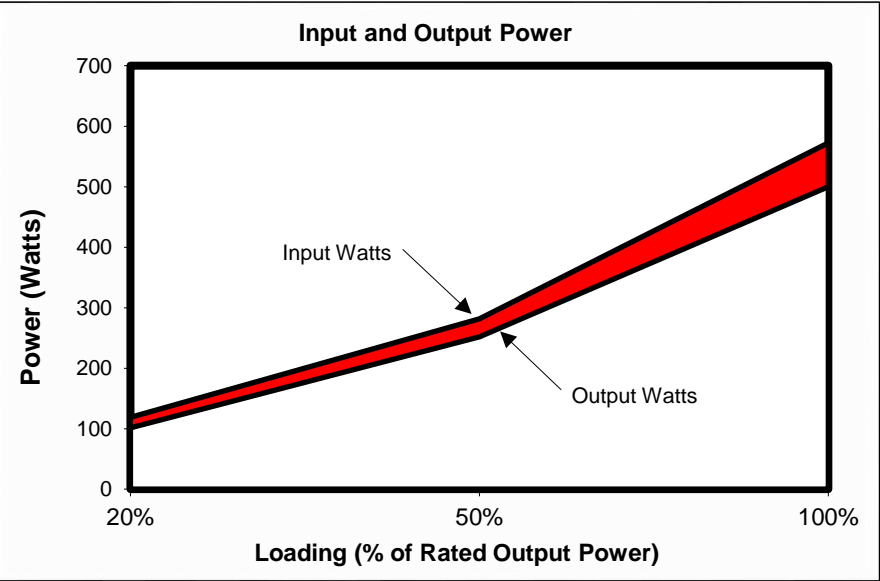
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 17.31%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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		
0.37	0.75	17.64%	10%	64.16	12.15/3.32	12.47/0.02	3.36/1.07	4.98/1.07	5.15/0.24	50.72	79.05%
0.60	0.86	17.56%	20%	119.00	12.13/6.62	12.38/0.05	3.35/2.14	4.97/2.13	5.14/0.48	101.21	85.05%
1.32	0.93	17.31%	50%	281.50	12.07/16.61	11.87/0.12	3.33/5.34	4.94/5.3	5.1/1.21	252.01	89.52%
2.59	0.96	15.72%	100%	572.40	12/33.16	12.17/0.24	3.29/10.69	4.88/10.58	5.03/2.42	499.87	87.33%



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/>

