

80 PLUS Verification and Testing Report

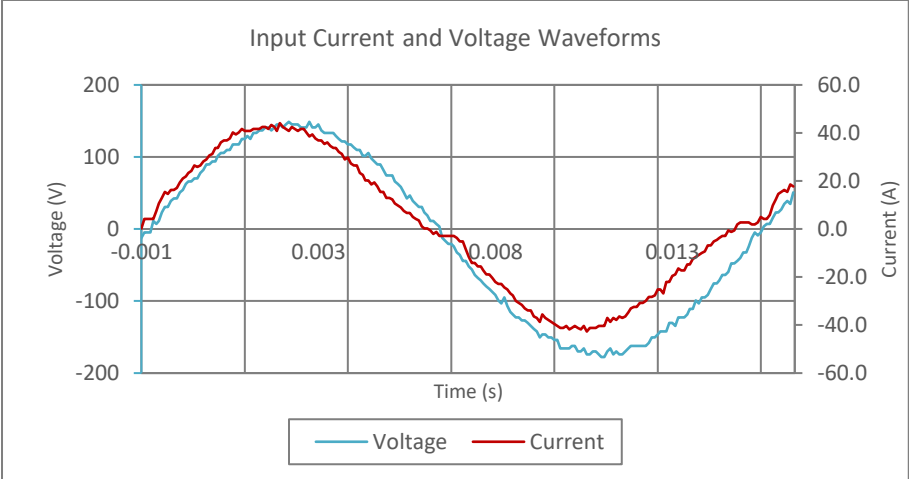
TYPICAL EFFICIENCY (50% Load):	87.54%
AVERAGE EFFICIENCY :	85.94%
80 PLUS COMPLIANT:	YES



ID Number	5504
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-5501-ACAAB
Serial Number	N/A
Year	2019
Type	EPS12V
Test Date	2/26/19

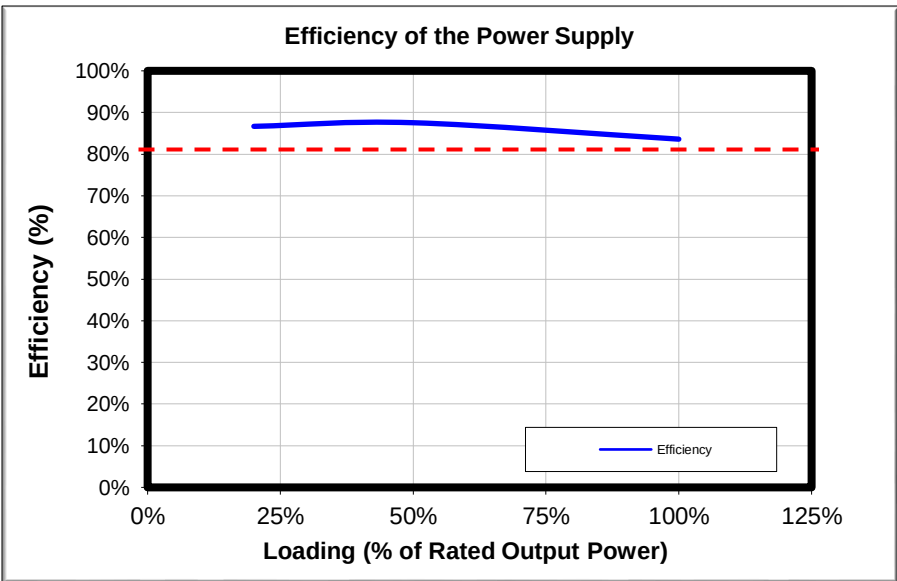
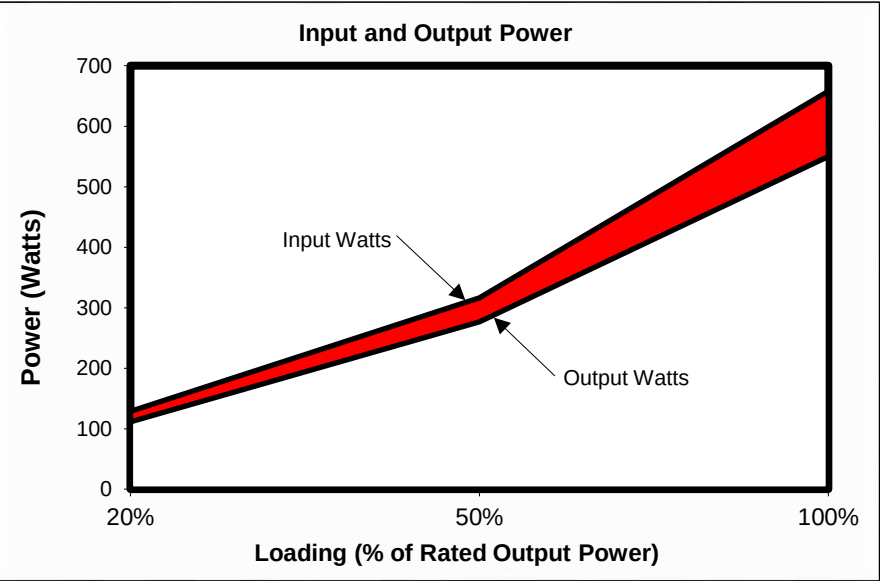
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 9.89%, 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		
0.68	0.95	11.01%	10%	74.30	12.13/3.67	12.48/0.02	3.33/1.16	4.98/1.16	5.17/0.24	55.65	74.90%
1.15	0.98	10.47%	20%	128.50	12.12/7.36	12.04/0.05	3.33/2.31	4.97/2.3	5.15/0.48	111.37	86.67%
2.80	0.98	9.89%	50%	316.00	12.06/18.38	11.99/0.12	3.31/5.78	4.94/5.73	5.12/1.2	276.63	87.54%
5.76	0.99	6.70%	100%	657.80	12.01/36.72	12.5/0.24	3.28/11.56	4.89/11.44	5.06/2.4	549.92	83.60%



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/>

