

## 80 PLUS Verification and Testing Report

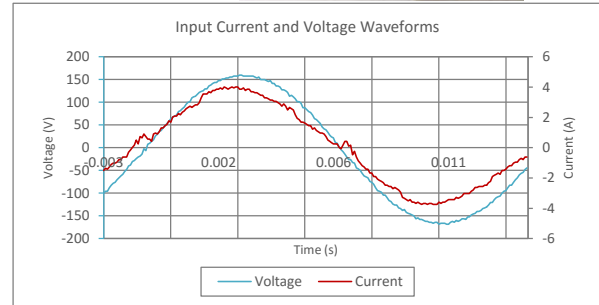
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.02%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.34%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



ID Number	4911
Manufacturer	Cooler Master
Model Number	MPX-5001-ACAAW
Serial Number	DH31730011N00009
Year	2017
Type	ATX12V
Test Date	4/4/17

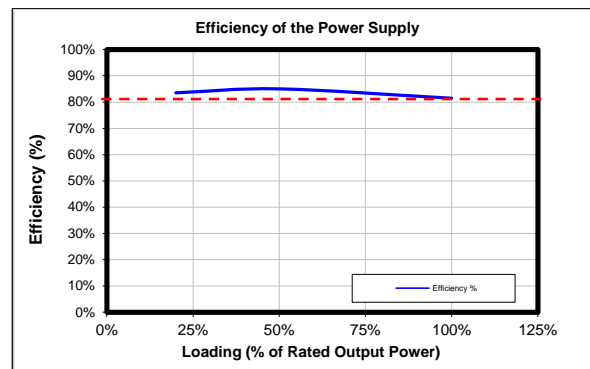
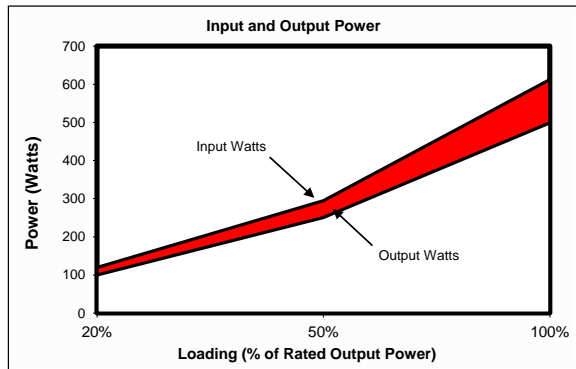
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 6.96%, 50% Load)

I <sub>RMS</sub> A	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		
0.60	0.94	12.00%	10%	64.34	11.89/3.21	11.62/0.03	3.39/1.22	5.12/1.22	5.06/0.21	50.00	77.72%
1.07	0.97	10.20%	20%	119.61	11.91/6.43	11.72/0.05	3.39/2.44	5.11/2.42	5.04/0.42	99.91	83.53%
2.58	0.99	6.96%	50%	294.80	11.93/16.13	11.86/0.13	3.36/6.12	5.1/6.05	5.01/1.06	250.65	85.02%
5.36	0.99	6.70%	100%	612.40	11.95/32.11	12.1/0.25	3.31/12.23	5.08/12.07	4.95/2.11	498.90	81.47%



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/>

