

# 80 PLUS Verification and Testing Report

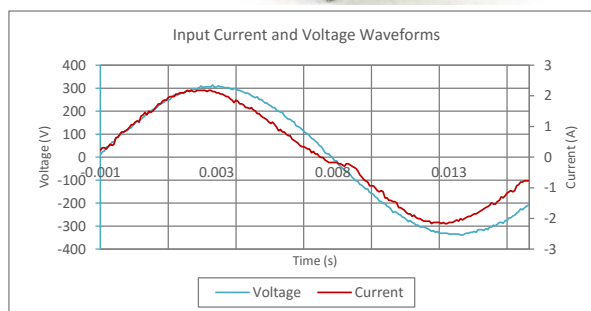
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.73%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.82%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-344.1
<b>Manufacturer</b>	Cooler Master Technology Inc.
<b>Model Number</b>	MPW-5502-ACABW
<b>Serial Number</b>	N/A
<b>Year</b>	2017
<b>Type</b>	ATX12V
<b>Test Date</b>	8/29/17

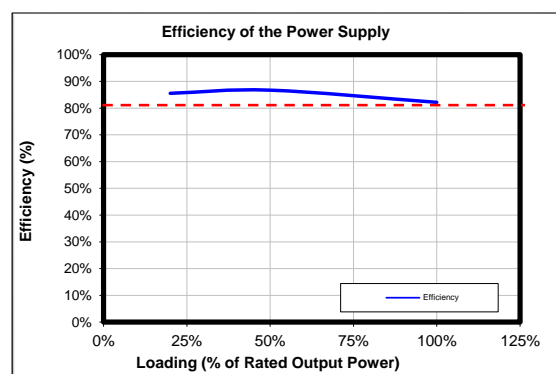
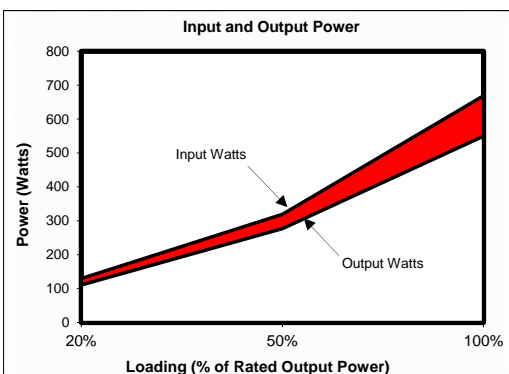
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4.5	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>550</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 11.941%, 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		
0.34	0.89	24.92%	10%	68.86	12.04/3.66	11.70/0.03	3.4/1.2	5.11/1.13	0/0.22	54.28	78.83%
0.59	0.95	18.65%	20%	129.61	12.05/7.35	11.76/0.05	3.39/2.39	5.09/2.25	5.07/0.44	110.88	85.55%
1.41	0.98	11.94%	50%	319.15	12.05/18.38	11.9/0.13	3.36/5.98	5.04/5.61	5.04/1.09	276.78	86.73%
2.93	0.99	7.81%	100%	668.88	12.04/36.62	12.24/0.26	3.31/11.94	4.95/11.21	4.97/2.18	549.66	82.18%



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/>

