

80 PLUS Verification and Testing Report

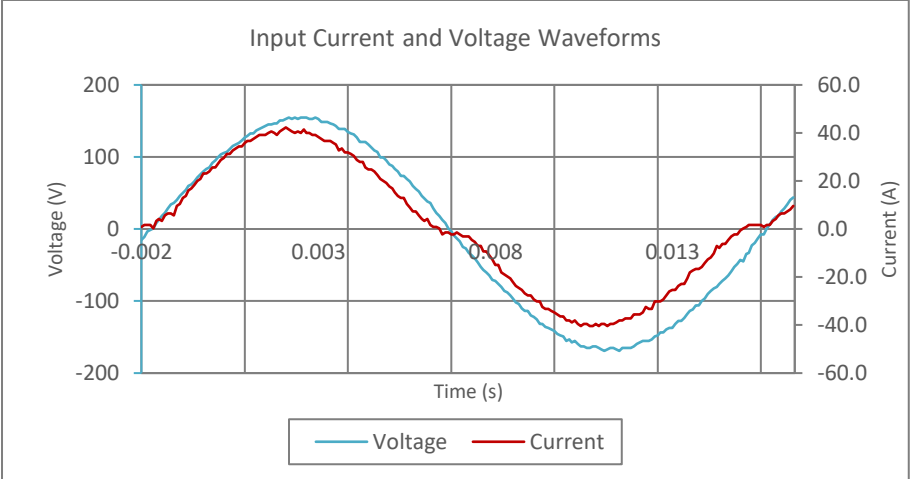
TYPICAL EFFICIENCY (50% Load):	90.66%
AVERAGE EFFICIENCY :	89.37%
80 PLUS COMPLIANT:	YES



ID Number	5922
Manufacturer	Cooler Master
Model Number	MPE-5501-AFAAG
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	3/17/20

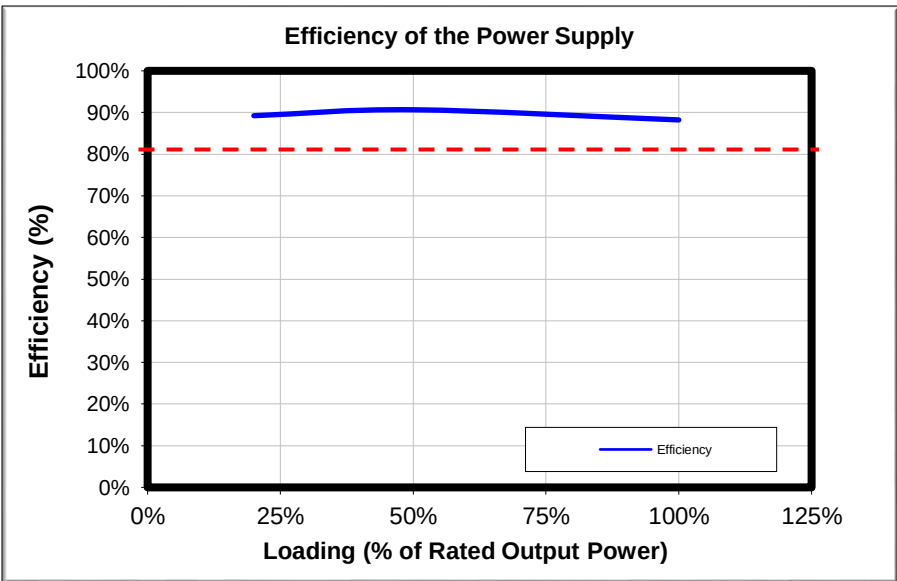
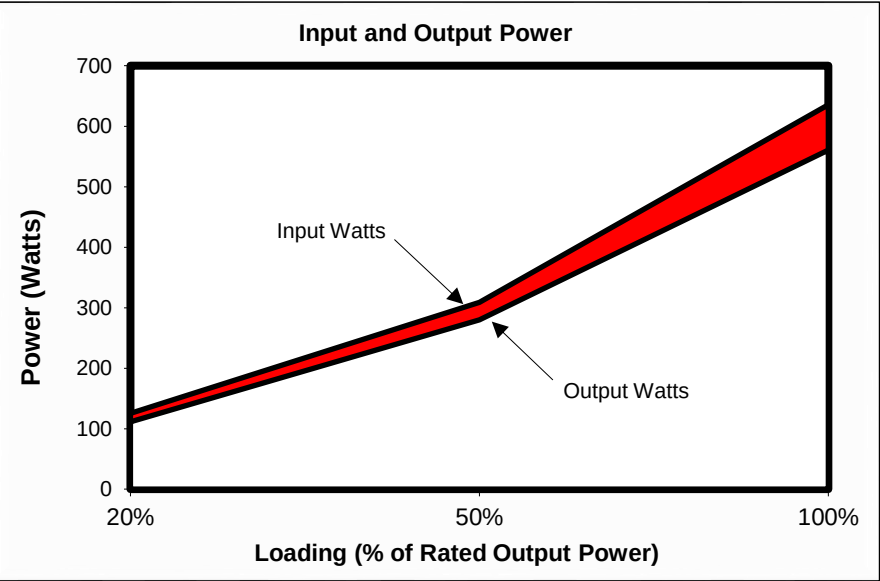
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 10.81%, 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		
0.63	0.90	10.65%	10%	65.34	12.13/3.77	12.13/0.02	3.35/0.99	5.07/0.99	5.09/0.25	55.57	85.05%
1.14	0.96	8.13%	20%	125.05	12.14/7.56	12.13/0.05	3.35/1.98	5.11/1.97	5.07/0.49	111.58	89.23%
2.74	0.98	10.81%	50%	308.70	12.14/18.95	12.32/0.12	3.34/4.96	5.2/4.92	5.02/1.23	279.86	90.66%
5.58	0.99	6.55%	100%	635.40	12.14/37.86	12.66/0.25	3.34/9.93	5.35/9.83	4.94/2.47	560.50	88.21%



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/>

