

80 PLUS Verification and Testing Report

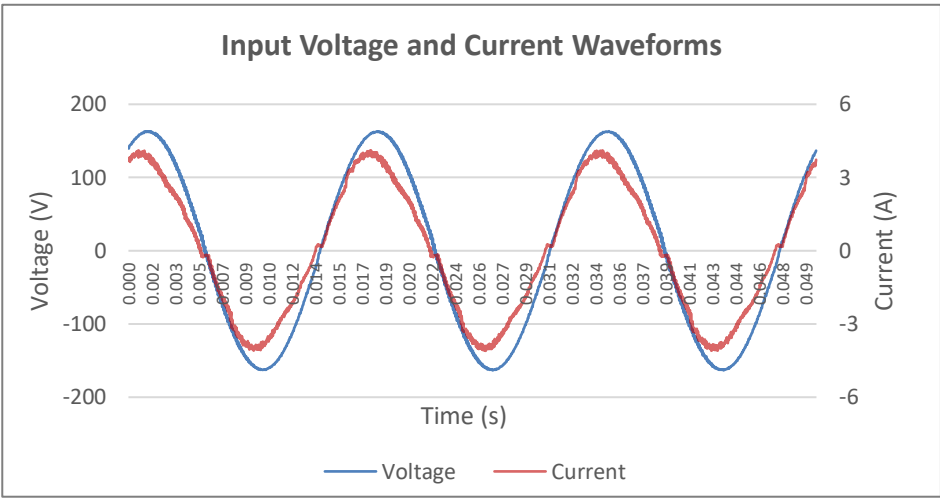
TYPICAL EFFICIENCY (50% Load):	90.81%
AVERAGE EFFICIENCY :	84.86%
80 PLUS COMPLIANT:	Gold



ID Number	7212
Manufacturer	Cooler Master
Model Number	MPE-5502-ACAAG
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	11/1/23

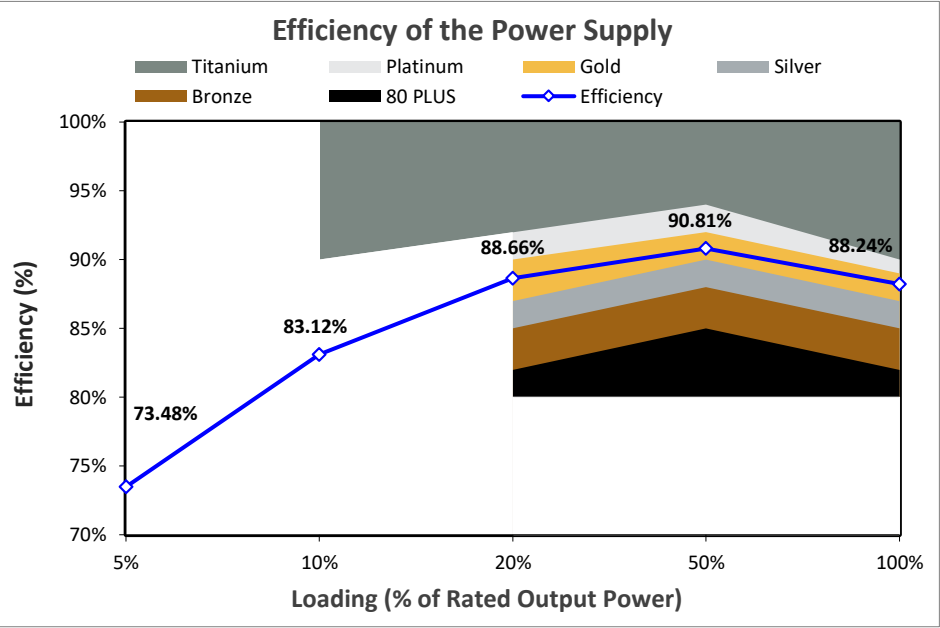
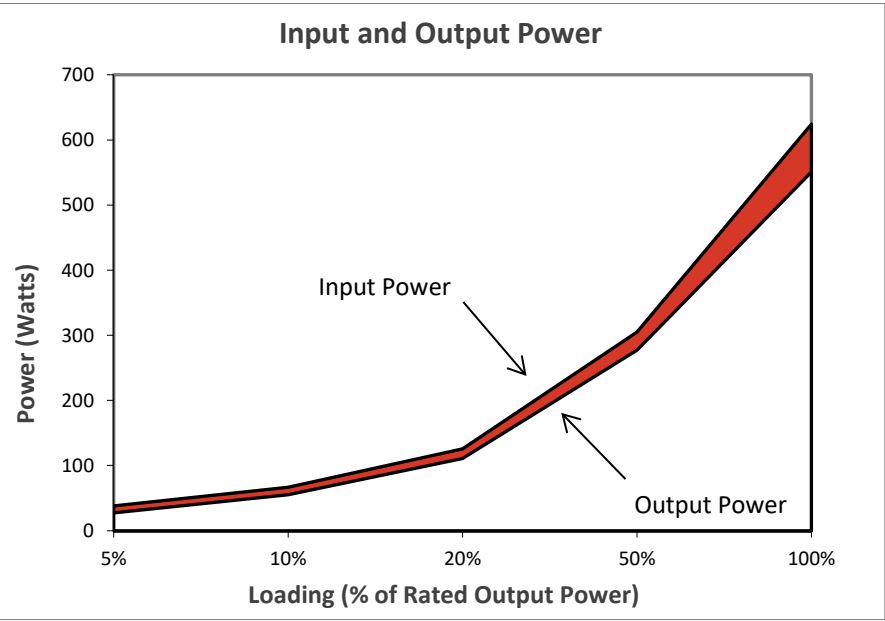
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		8-4	Amps
Input Frequency		50-60	Hz
Rated Output Power		550	Watts

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



Input AC Current Waveform (ITHD = 7.59%, 50% Load)

I _{RMS} (A)	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	5Vstb		
0.208	0.3788	25.60	0%	9.06	No-Load						
0.410	0.8043	17.91	5%	37.93	12.13/1.83	11.43/0.012	3.37/0.58	5.13/0.58	5.13/0.12	27.87	73.48%
0.639	0.9129	11.90	10%	67.04	12.13/3.66	11.43/0.024	3.37/1.16	5.13/1.16	5.13/0.24	55.73	83.12%
1.131	0.9649	9.50	20%	125.52	12.11/7.32	11.49/0.048	3.36/2.31	5.12/2.31	5.11/0.479	111.29	88.66%
2.680	0.9898	7.59	50%	305.13	12.07/18.31	11.63/0.12	3.34/5.78	5.09/5.78	5.07/1.199	277.08	90.81%
5.473	0.9920	5.88	100%	624.12	12/36.61	11.96/0.24	3.31/11.56	5.03/11.56	5/2.397	550.71	88.24%



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/>