

80 PLUS Verification and Testing Report

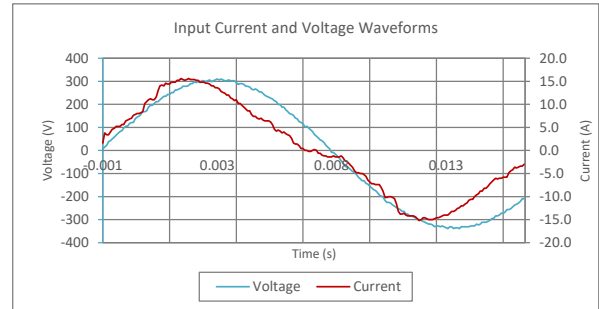
TYPICAL EFFICIENCY (50% Load):	86.25%
AVERAGE EFFICIENCY :	84.68%
80 PLUS COMPLIANT:	YES



ID Number	EU-637
Manufacturer	CoolerMaster
Model Number	MPE-3501-ACABN
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	1/20/20

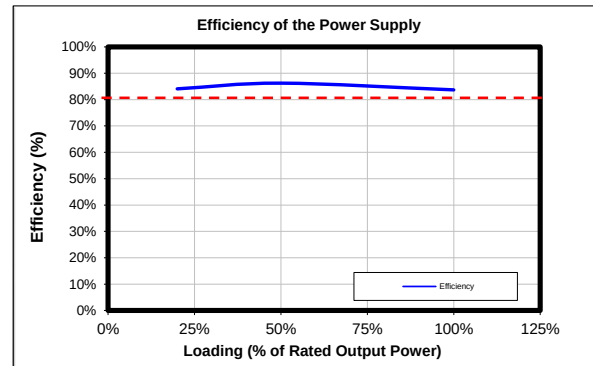
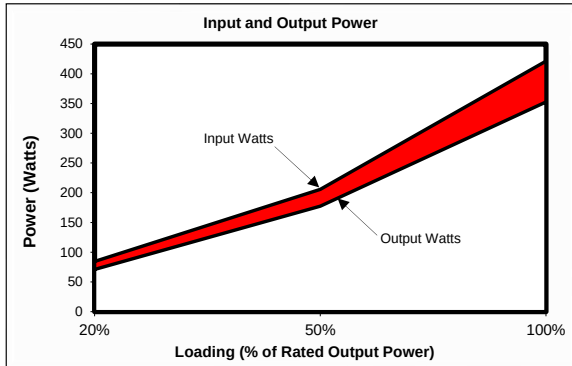
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	350	Watts

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



Input AC Current Waveform (ITHD = 17.99%, 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		
0.26	0.77	25.80%	10%	45.56	12.18/2.21	11.26/0.03	3.34/0.82	5.04/0.82	5.1/0.26	35.48	77.87%
0.42	0.88	22.99%	20%	84.26	12.18/4.43	11.3/0.05	3.33/1.64	5.03/1.64	5.08/0.51	70.85	84.08%
0.94	0.95	17.99%	50%	205.64	12.15/11.14	11.4/0.13	3.31/4.11	5.01/4.08	5.05/1.28	177.36	86.25%
1.88	0.97	14.26%	100%	421.30	12.1/22.26	11.59/0.26	3.29/8.22	4.96/8.15	4.99/2.56	352.63	83.70%



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/>

