

80 PLUS Verification and Testing Report

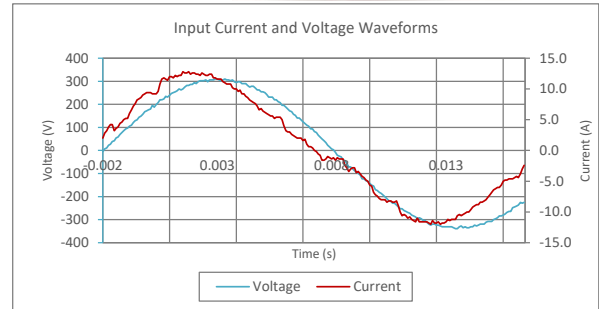
TYPICAL EFFICIENCY (50% Load):	86.76%
AVERAGE EFFICIENCY :	85.37%
80 PLUS COMPLIANT:	YES



ID Number	EU-643
Manufacturer	Cooler Master Technology Inc.
Model Number	MPE-3001-ACABN
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	2/18/20

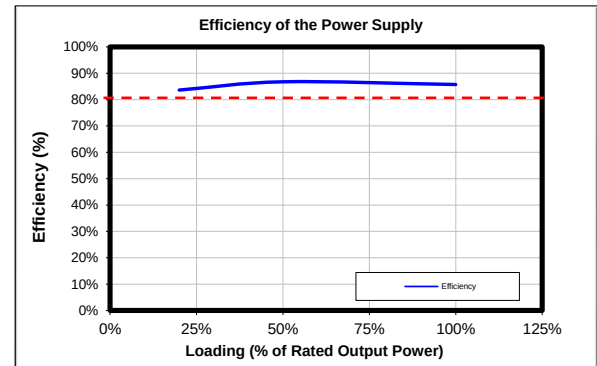
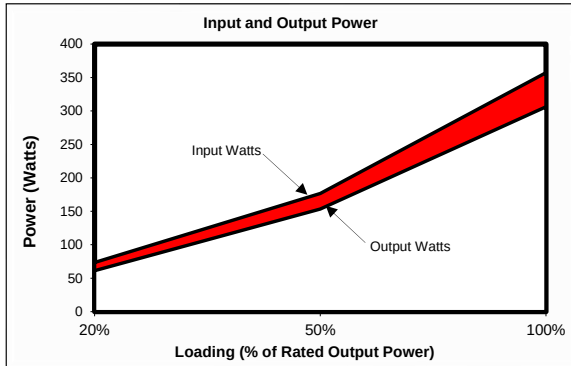
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 12.24%, 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		
0.25	0.69	20.60%	10%	39.85	12.28/1.83	11.38/0.02	3.35/0.8	5.08/0.8	5.13/0.25	30.76	77.20%
0.39	0.83	15.27%	20%	73.35	12.29/3.65	11.4/0.05	3.34/1.59	5.06/1.59	5.12/0.5	61.34	83.62%
0.82	0.94	12.24%	50%	176.72	12.3/9.14	11.49/0.12	3.33/3.99	5.03/3.96	5.08/1.24	153.33	86.76%
1.60	0.97	8.07%	100%	357.20	12.32/18.29	11.65/0.25	3.3/7.97	4.97/7.9	5.01/2.48	306.23	85.73%



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/>

