

80 PLUS Verification and Testing Report

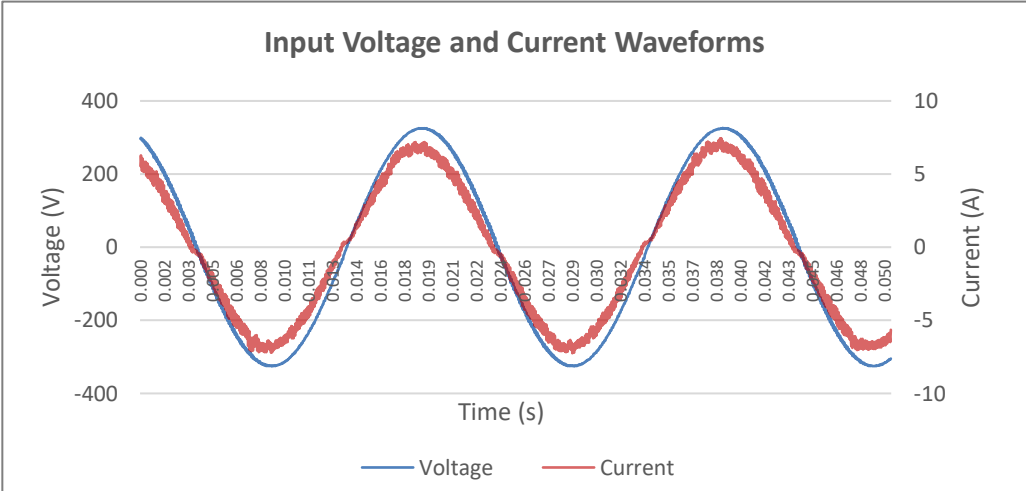
TYPICAL EFFICIENCY (50% Load):	94.53%
AVERAGE EFFICIENCY :	90.96%
80 PLUS COMPLIANT:	Platinum



ID Number	EU-1046
Manufacturer	Cooler Master
Model Number	MPS-K001-AFBP
Serial Number	N/A
Type	ATX12V
Test Date	4/15/24

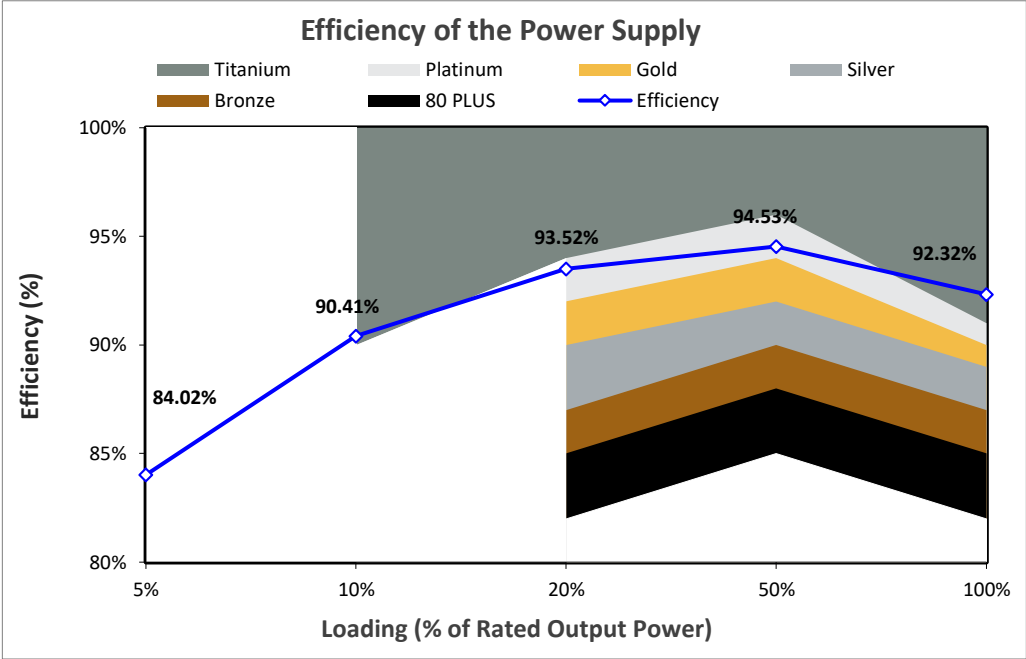
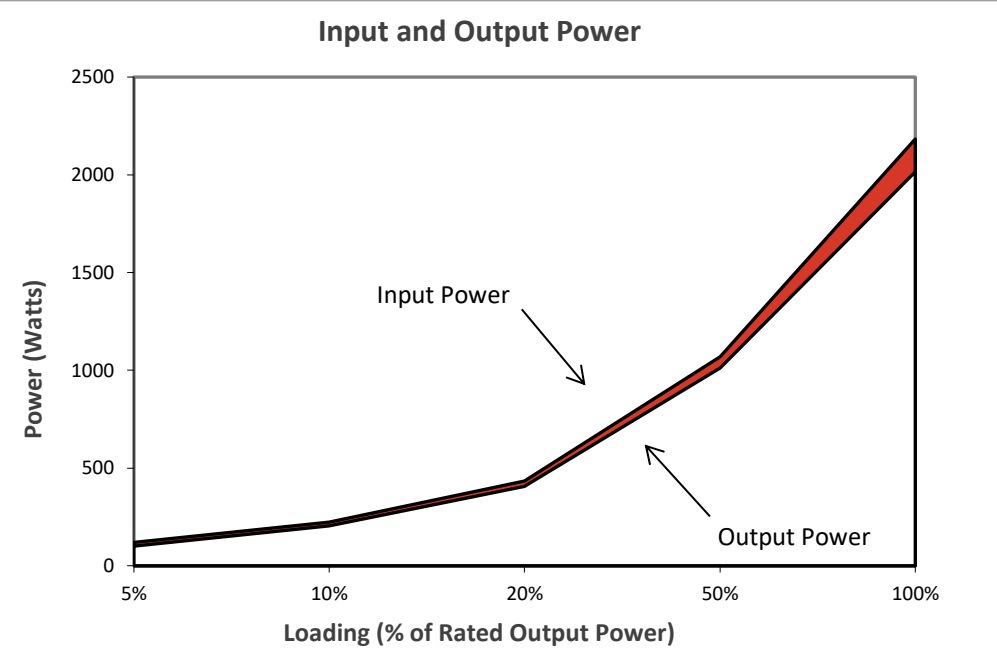
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	12	Amps
Input Frequency	50-60	Hz
Rated Output Power	2000	Watts

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



Input AC Current Waveform (ITHD = 5.15%, 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		
0.270	0.2607	13.19	0%	16.20	No-Load						
0.620	0.8460	8.47	5%	120.64	12.16/7.8	12.24/0.014	3.37/0.68	5.04/0.68	5.09/0.14	101.36	84.02%
1.039	0.9383	7.19	10%	224.16	12.16/15.59	12.27/0.028	3.36/1.35	5.03/1.35	5.08/0.281	202.67	90.41%
1.923	0.9787	7.67	20%	432.99	12.15/31.18	12.36/0.056	3.35/2.71	5.02/2.71	5.07/0.561	404.91	93.52%
4.671	0.9950	5.15	50%	1069.18	12.13/77.93	12.6/0.14	3.34/6.76	5.01/6.76	5.04/1.403	1010.73	94.53%
9.513	0.9979	4.27	100%	2183.18	12.1/155.86	13.03/0.281	3.31/13.53	4.98/13.53	4.99/2.806	2015.60	92.32%



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/>