

80 PLUS Verification and Testing Report

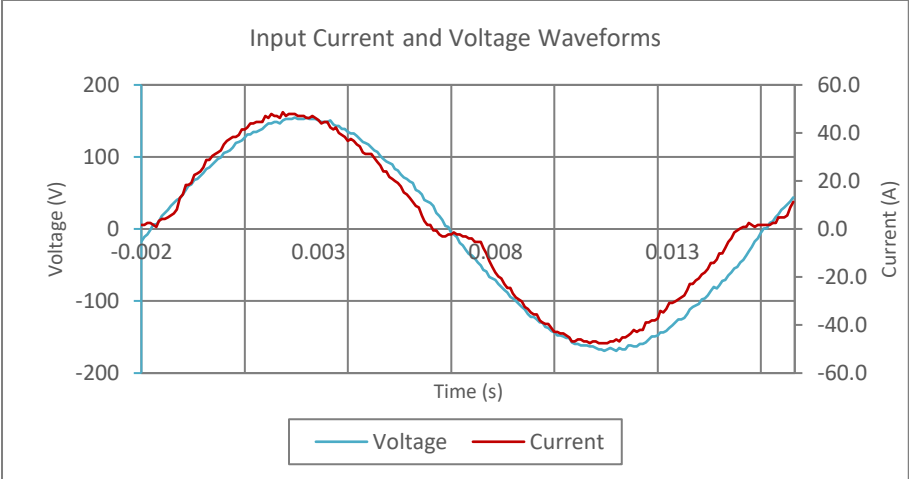
TYPICAL EFFICIENCY (50% Load):	90.87%
AVERAGE EFFICIENCY :	89.77%
80 PLUS COMPLIANT:	YES



ID Number	5923
Manufacturer	Cooler Master
Model Number	MPE-6501-AFAAG
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	3/18/20

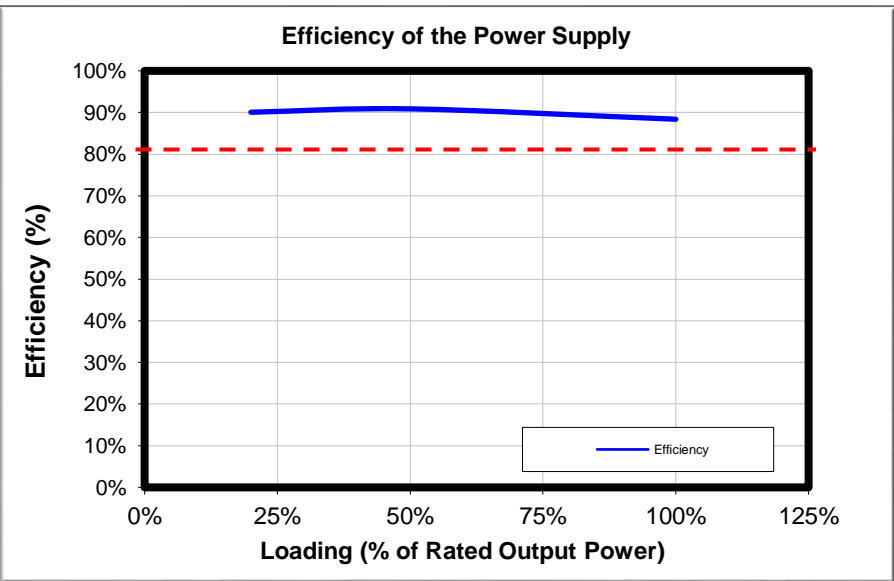
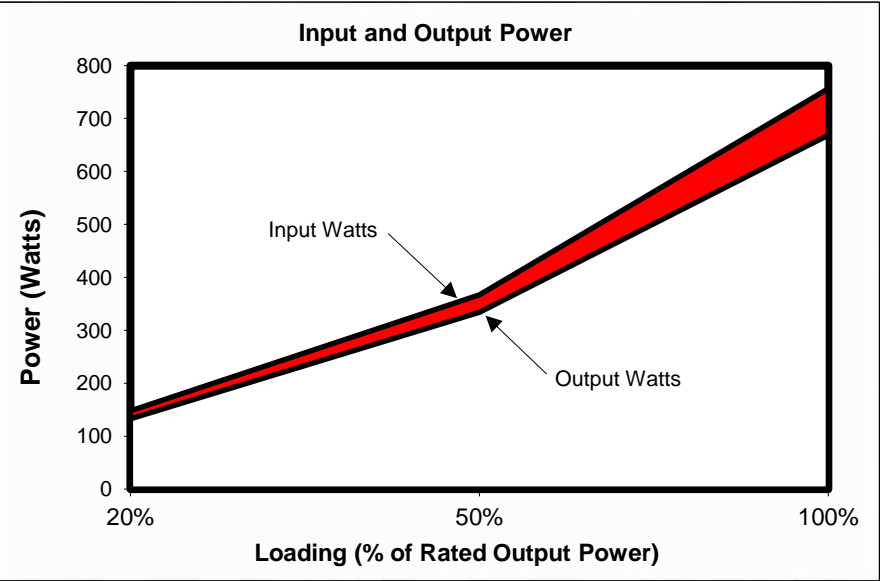
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 10.88%, 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		
0.72	0.94	8.38%	10%	77.47	12.23/4.59	12.11/0.03	3.39/1.02	5.09/1.02	5.1/0.25	66.44	85.76%
1.33	0.97	14.44%	20%	147.69	12.23/9.19	12.15/0.05	3.42/2.04	5.12/2.03	5.08/0.51	133.01	90.06%
3.24	0.99	10.88%	50%	367.40	12.24/23.01	12.26/0.13	3.52/5.1	5.21/5.06	5.03/1.27	333.86	90.87%
6.62	0.99	6.04%	100%	756.60	12.21/45.99	12.55/0.25	3.67/10.21	5.37/10.1	4.94/2.54	668.76	88.39%



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/>

