

80 PLUS Verification and Testing Report

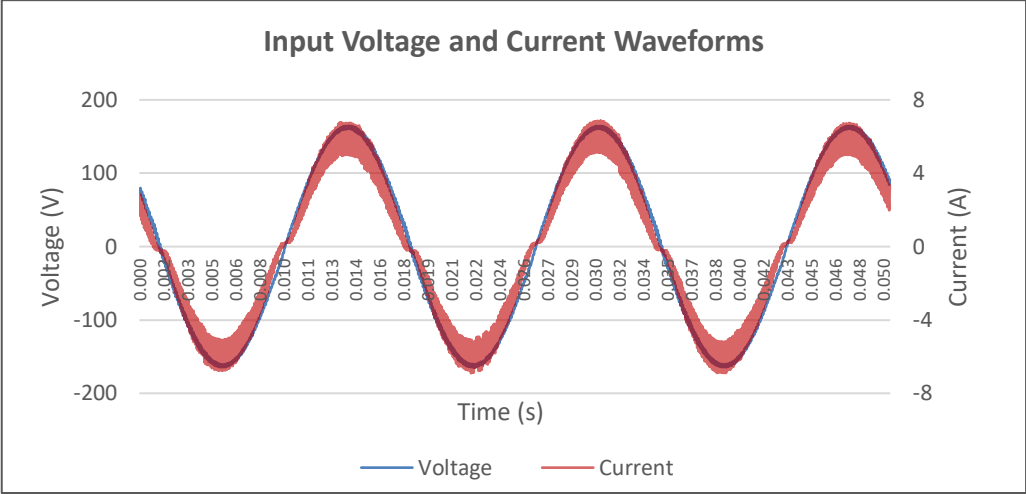
TYPICAL EFFICIENCY (50% Load):	93.37%
AVERAGE EFFICIENCY :	87.23%
80 PLUS COMPLIANT:	Platinum



ID Number	7365
Manufacturer	Cooler Master
Model Number	MPS-8501-AZAP
Serial Number	N/A
Type	ATX12V
Test Date	4/15/24

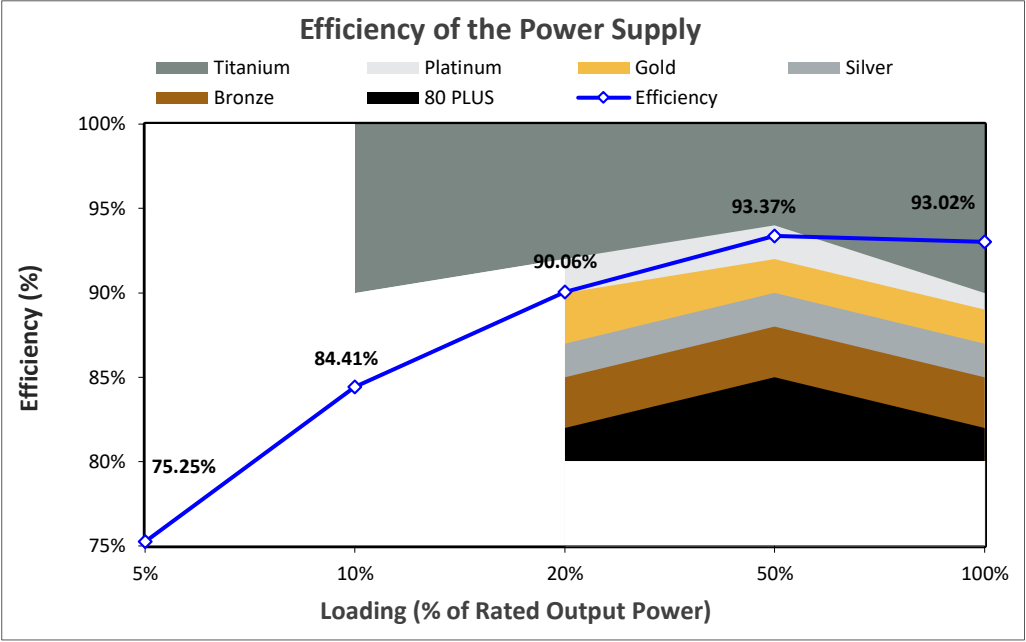
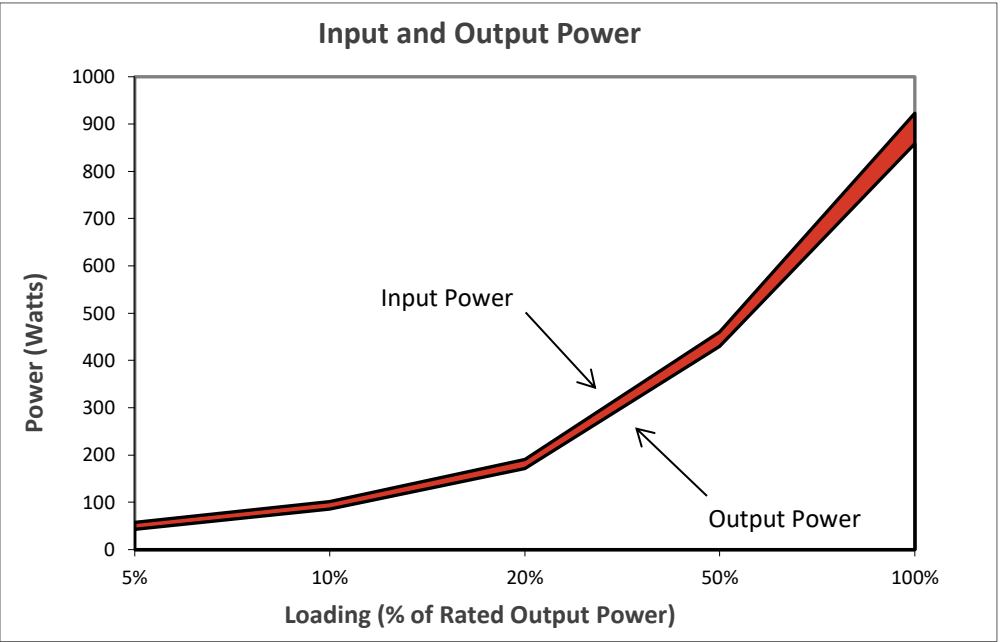
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.26%, 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		
0.199	0.5250	16.60	0%	12.03	No-Load						
0.642	0.7735	12.08	5%	57.11	12.12/3.05	12.08/0.013	3.38/0.62	5.05/0.62	5.09/0.129	42.97	75.25%
1.009	0.8774	9.15	10%	101.84	12.12/6.09	12.09/0.026	3.38/1.24	5.05/1.24	5.09/0.258	85.97	84.41%
1.735	0.9562	10.04	20%	190.85	12.12/12.18	12.13/0.052	3.38/2.49	5.05/2.49	5.08/0.516	171.89	90.06%
4.040	0.9895	7.26	50%	459.95	12.12/30.45	12.24/0.129	3.37/6.22	5.04/6.22	5.07/1.29	429.48	93.37%
8.063	0.9954	6.42	100%	922.88	12.12/60.9	12.41/0.258	3.36/12.44	5.04/12.44	5.04/2.579	858.47	93.02%



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/>