

80 PLUS Verification and Testing Report

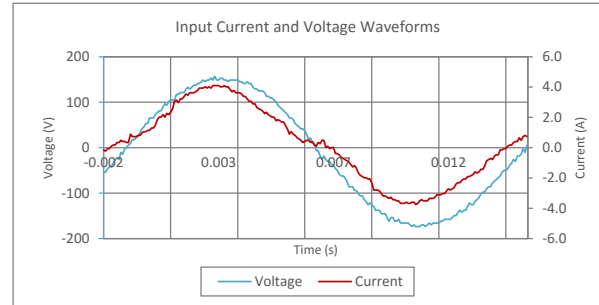
TYPICAL EFFICIENCY (50% Load):	88.96%
AVERAGE EFFICIENCY :	87.80%
80 PLUS COMPLIANT:	YES



ID Number	5257
Manufacturer	NZXT, Inc.
Model Number	NP-1PM-E500A
Serial Number	N/A
Year	2018
Type	ATX12V,EPS12V,PS2
Test Date	3/13/18

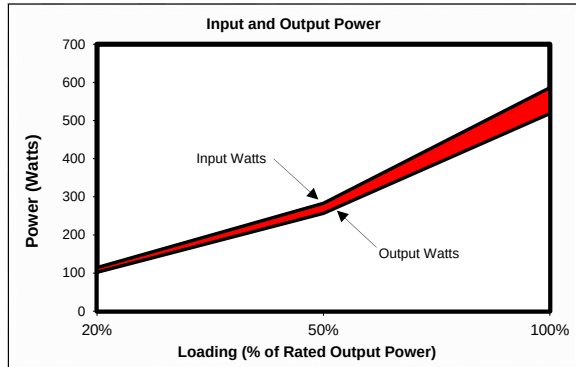
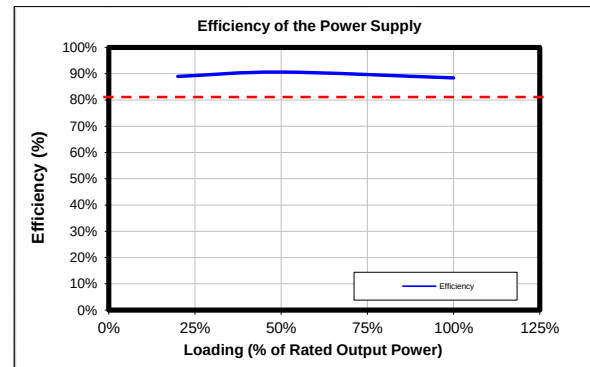
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (THD = 16.75%, 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		
0.57	0.92	17.82%	10%	60.61	12.16/3.37	12.41/0.02	3.34/0.99	5.02/0.99	5.1/0.25	50.79	83.79%
1.04	0.96	16.75%	20%	114.46	12.2/6.74	12.23/0.05	3.34/1.97	5.02/1.96	5.09/0.49	101.83	88.96%
2.50	0.98	14.30%	50%	283.00	12.33/16.86	12.32/0.12	3.32/4.93	5.02/4.89	5.06/1.23	256.49	90.63%
5.16	0.99	13.41%	100%	586.00	12.5/33.7	12.58/0.25	3.32/9.88	4.98/9.78	5/2.46	518.14	88.42%



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/>

