

80 PLUS Verification and Testing Report

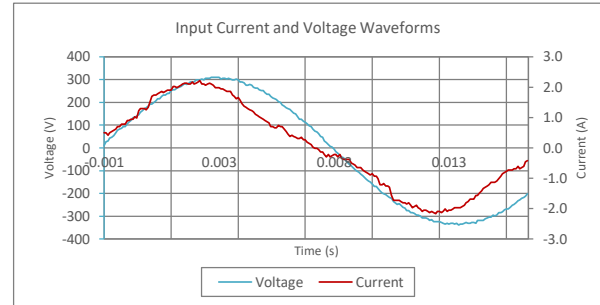
TYPICAL EFFICIENCY (50% Load):	86.49%
AVERAGE EFFICIENCY :	85.16%
80 PLUS COMPLIANT:	YES



ID Number	EU-587
Manufacturer	Zalman
Model Number	ZM500-TXII
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	9/24/19

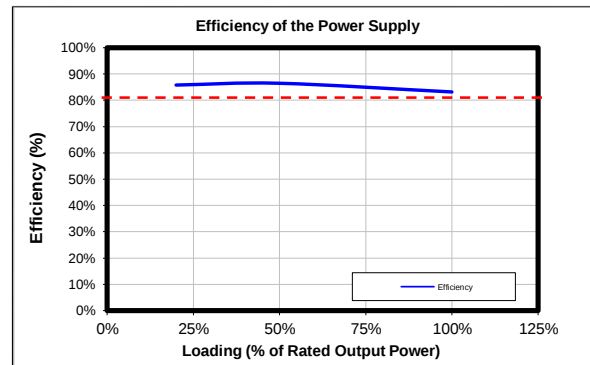
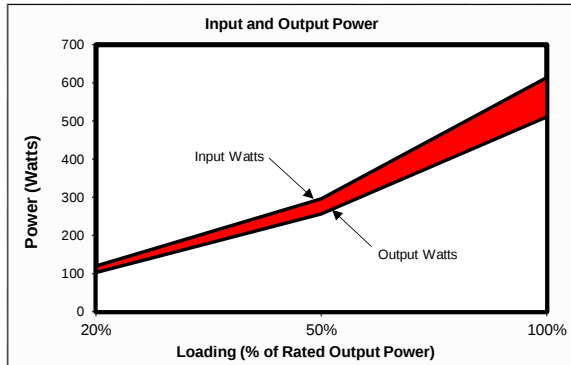
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (THD = 15.6%, 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		
0.35	0.79	21.46%	10%	62.87	12.3/3.24	12.01/0.04	3.33/1.2	5.11/1.1	5.11/0.26	51.28	81.57%
0.58	0.90	18.22%	20%	119.55	12.31/6.48	12.04/0.09	3.32/2.41	5.08/2.18	5.09/0.52	102.58	85.81%
1.34	0.96	15.60%	50%	296.20	12.34/16.21	12.15/0.22	3.29/6.04	5.01/5.43	5.02/1.29	256.17	86.49%
2.72	0.98	10.13%	100%	613.90	12.36/32.39	12.38/0.43	3.25/12.08	4.9/10.86	4.92/2.58	510.65	83.18%



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/>

