

80 PLUS Verification and Testing Report

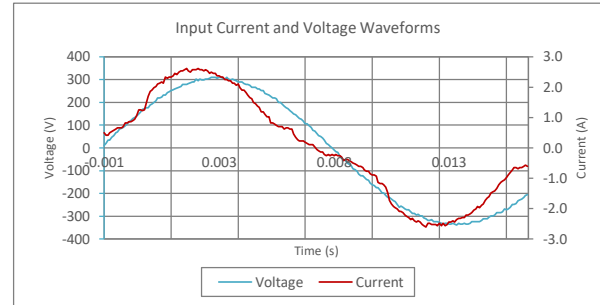
TYPICAL EFFICIENCY (50% Load):	86.51%
AVERAGE EFFICIENCY :	85.18%
80 PLUS COMPLIANT:	YES



ID Number	EU-588
Manufacturer	Zalman
Model Number	ZM600-TXII
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	9/24/19

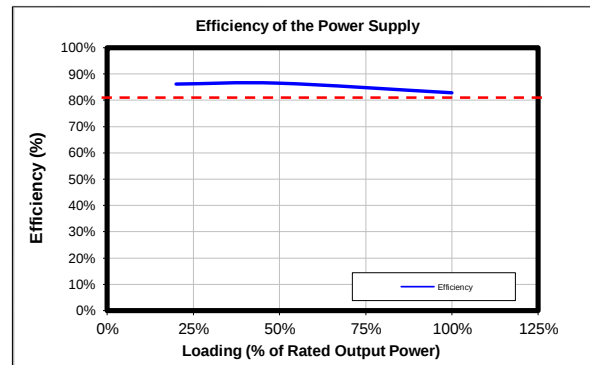
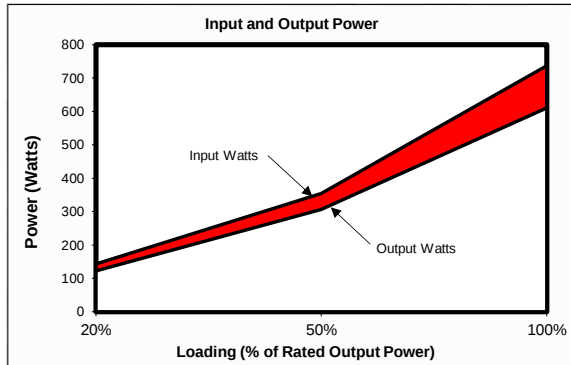
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 19.33%, 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		
0.39	0.83	26.06%	10%	74.37	12.29/3.98	11.99/0.04	3.34/1.31	5.08/1.25	5.1/0.26	61.43	82.61%
0.67	0.92	22.34%	20%	142.59	12.29/7.96	12.05/0.09	3.33/2.62	5.05/2.49	5.08/0.53	122.89	86.18%
1.60	0.96	19.33%	50%	354.50	12.3/19.92	12.24/0.22	3.29/6.55	4.97/6.2	5.01/1.32	306.68	86.51%
3.25	0.99	8.45%	100%	737.00	12.33/39.76	12.59/0.44	3.23/13.12	4.84/12.38	4.89/2.64	610.65	82.86%



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/>

