

80 PLUS Verification and Testing Report

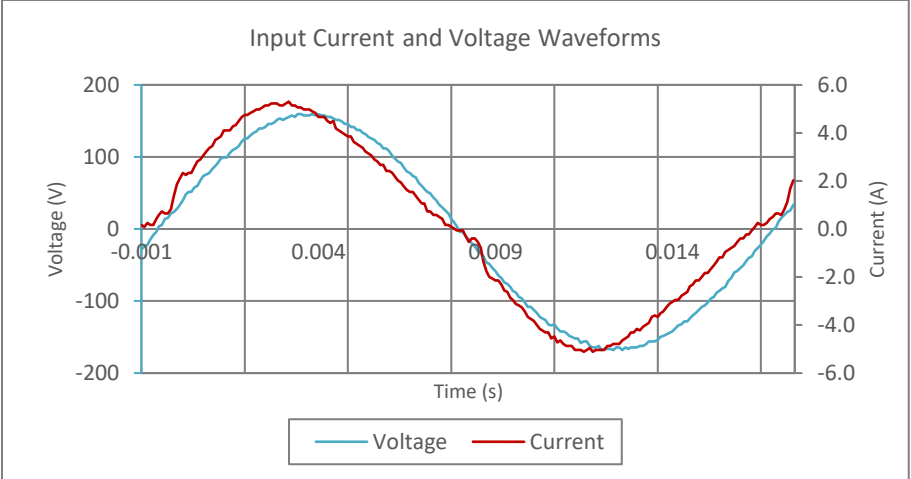
TYPICAL EFFICIENCY (50% Load):	90.69%
AVERAGE EFFICIENCY :	89.26%
80 PLUS COMPLIANT:	YES



ID Number	5424
Manufacturer	Zalman Tech Co., Ltd
Model Number	ZM700-EBTII
Serial Number	N/A
Year	2018
Type	EPS12V
Test Date	11/15/18

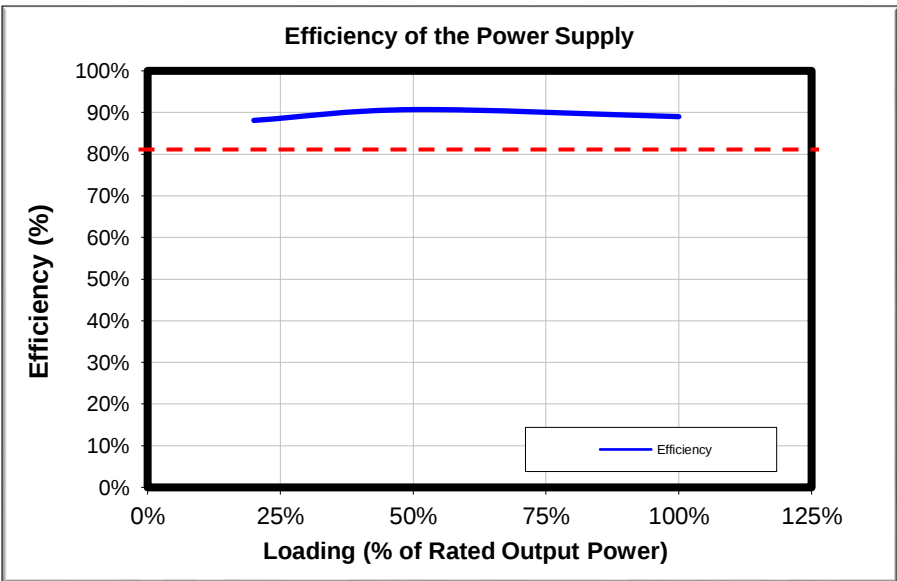
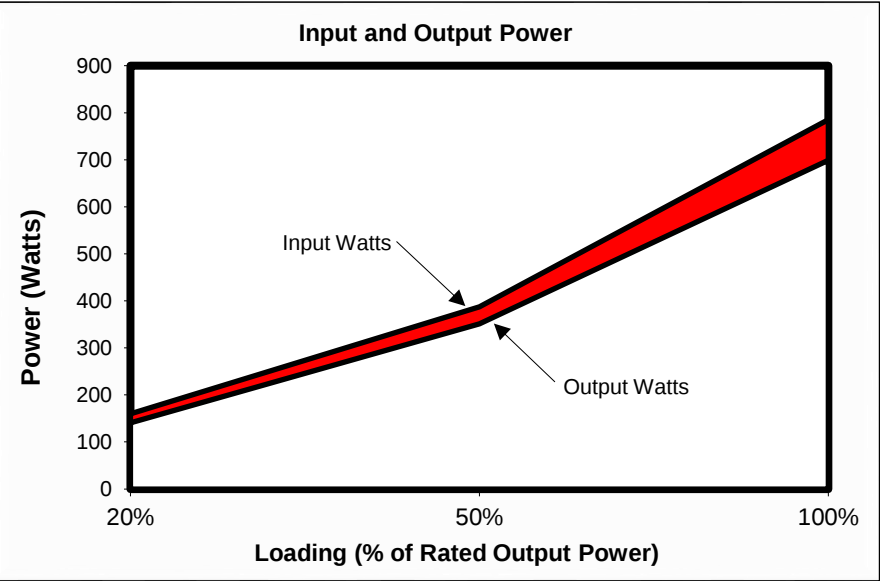
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 9.19%, 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		
0.78	0.94	19.07%	10%	84.24	12.01/4.99	12.03/0.03	3.41/1.04	5.1/1.04	5.11/0.26	70.48	83.66%
1.44	0.97	15.16%	20%	159.84	12/10	12.03/0.05	3.4/2.07	5.08/2.06	5.1/0.52	140.82	88.10%
3.44	0.98	9.19%	50%	387.40	11.97/25.04	11.93/0.13	3.37/5.17	5.06/5.14	5.06/1.29	351.33	90.69%
6.90	0.99	7.17%	100%	785.30	11.94/50.01	12.03/0.26	3.32/10.36	5.01/10.25	5.06/2.58	698.93	89.00%



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/>

