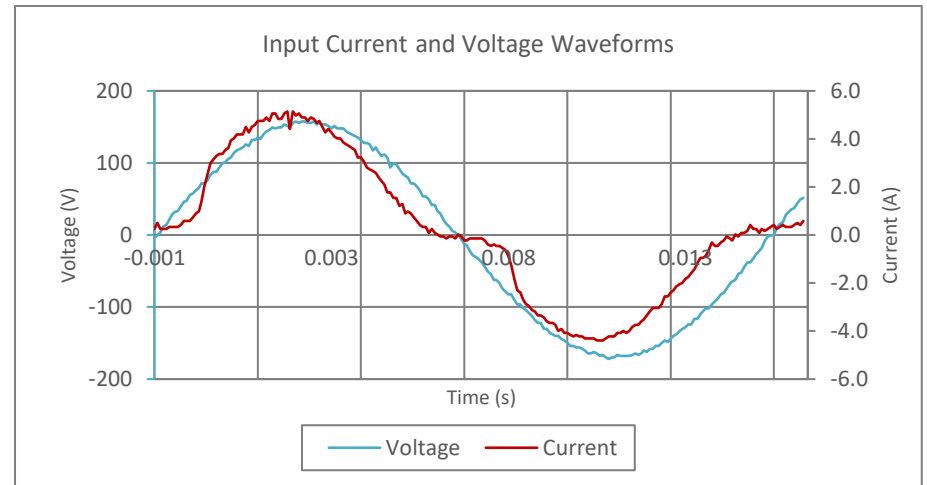


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>87.51%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>85.81%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5468
<b>Manufacturer</b>	Zalman
<b>Model Number</b>	ZM550-GVII
<b>Serial Number</b>	N/A
<b>Year</b>	2019
<b>Type</b>	ATX12V, EPS12V
<b>Test Date</b>	1/15/19

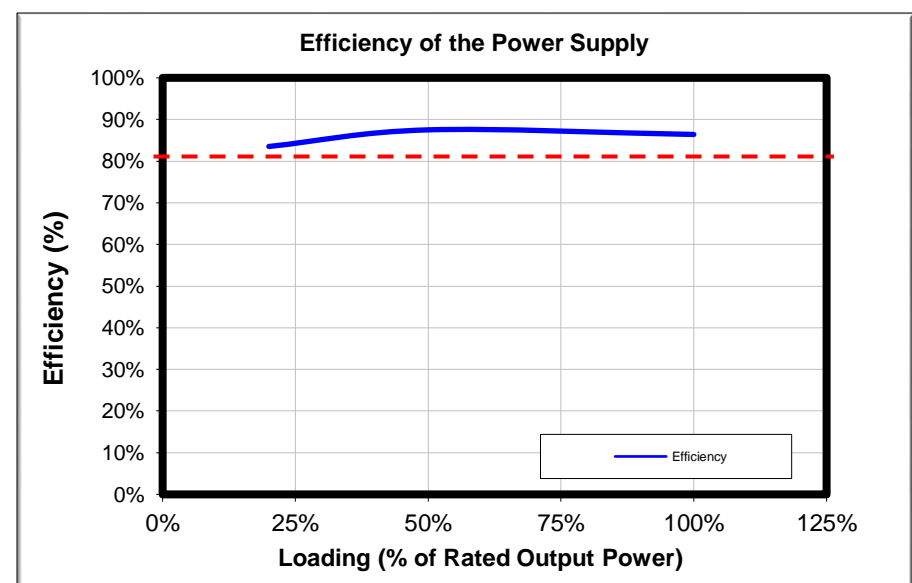
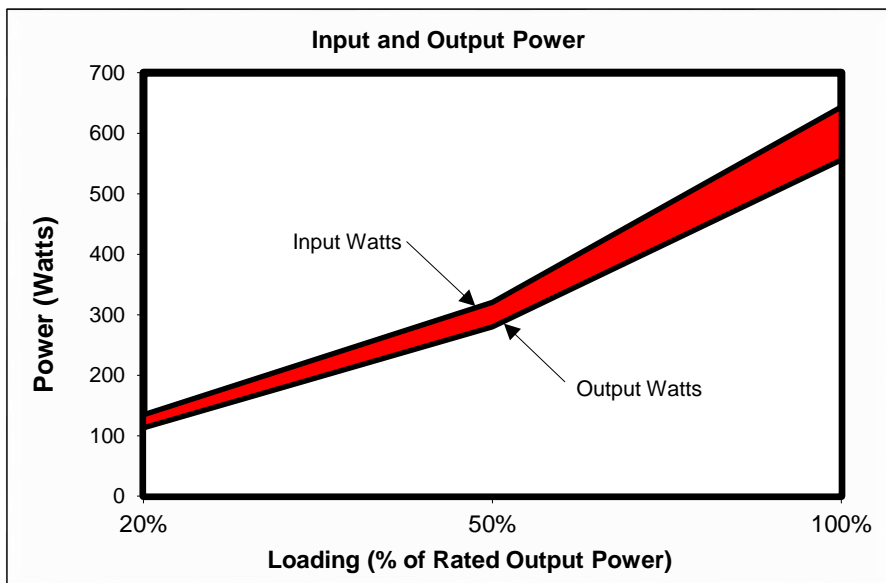


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>550</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 22.75%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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
0.80	0.80	24.15%	10%	73.61	12.23/3.78	11.87/0.03	3.43/1.12	5.1/0.94	5.21/0.21	56.32	76.51%
1.31	0.89	26.34%	20%	134.64	12.21/7.57	11.89/0.05	3.43/2.25	5.09/1.86	5.2/0.42	112.45	83.52%
2.94	0.95	22.75%	50%	320.20	12.17/18.95	11.93/0.13	3.41/5.61	5.06/4.64	5.17/1.05	280.21	87.51%
5.74	0.97	14.79%	100%	643.40	12.09/37.84	12.06/0.25	3.38/11.24	5.02/9.27	5.13/2.1	555.91	86.40%



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/>

