

80 PLUS Verification and Testing Report

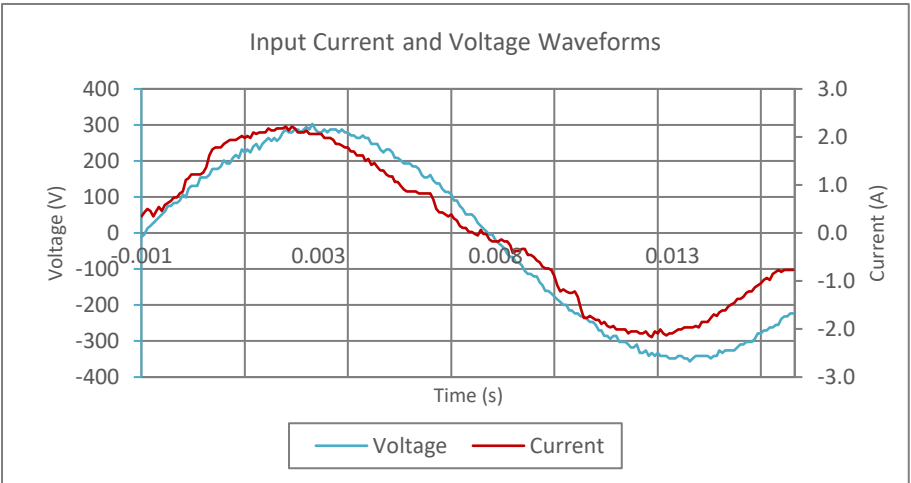
TYPICAL EFFICIENCY (50% Load):	89.05%
AVERAGE EFFICIENCY :	87.39%
80 PLUS COMPLIANT:	YES



ID Number	EU-584
Manufacturer	Zalman
Model Number	ZM550-GVII
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	9/10/19

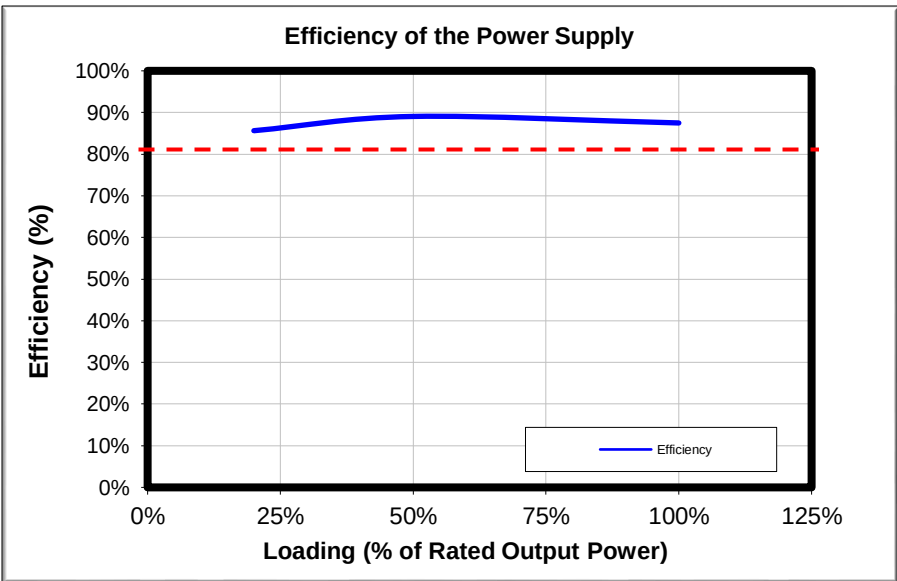
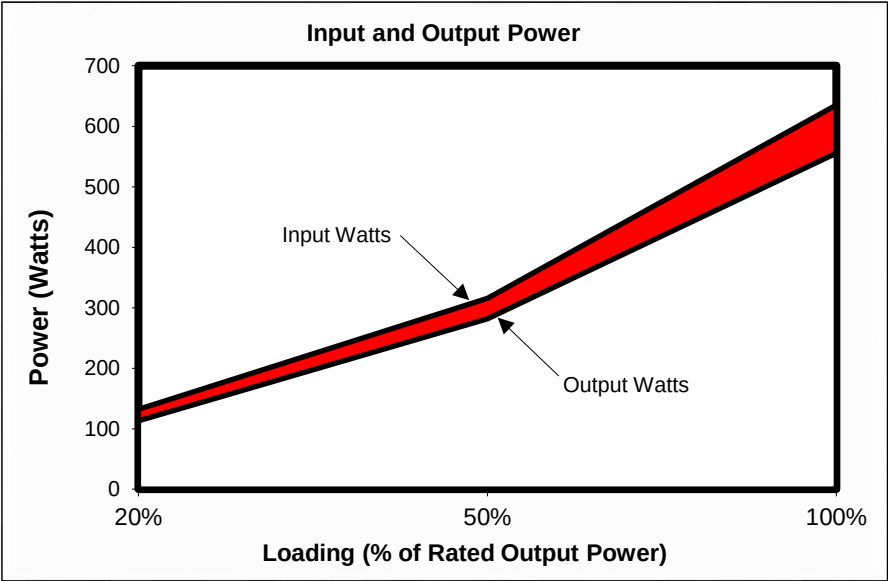
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 12.58%, 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		
0.36	0.88	21.84%	10%	71.96	12.33/3.78	11.95/0.03	3.42/1.12	5.1/0.94	5.05/0.21	56.63	78.69%
0.61	0.94	17.37%	20%	131.99	12.31/7.57	11.99/0.05	3.41/2.25	5.08/1.86	5.03/0.42	113.02	85.63%
1.41	0.98	12.58%	50%	315.70	12.24/18.95	12.05/0.13	3.38/5.61	5.05/4.64	4.98/1.05	281.14	89.05%
2.79	0.99	7.30%	100%	634.90	12.12/37.84	12.17/0.25	3.34/11.24	4.98/9.27	4.88/2.1	555.44	87.48%



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/>

