

80 PLUS Verification and Testing Report

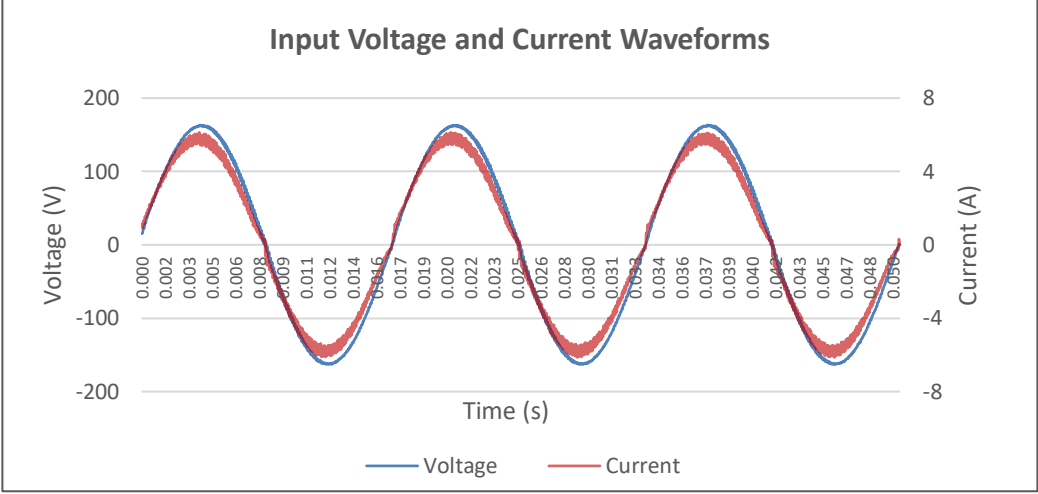
TYPICAL EFFICIENCY (50% Load):	91.61%
AVERAGE EFFICIENCY :	88.30%
80 PLUS COMPLIANT:	Gold



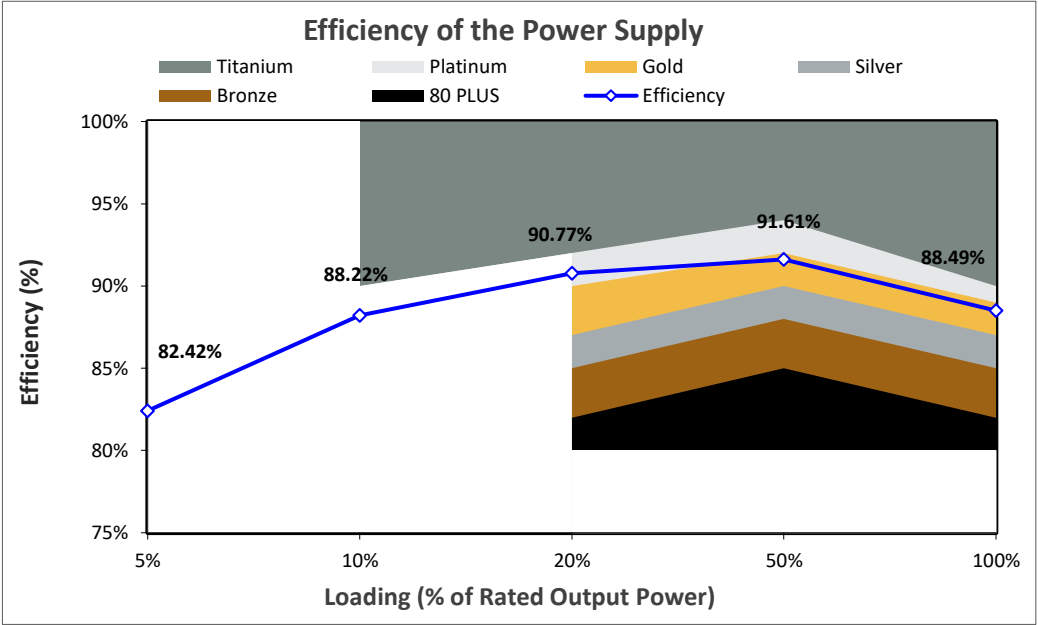
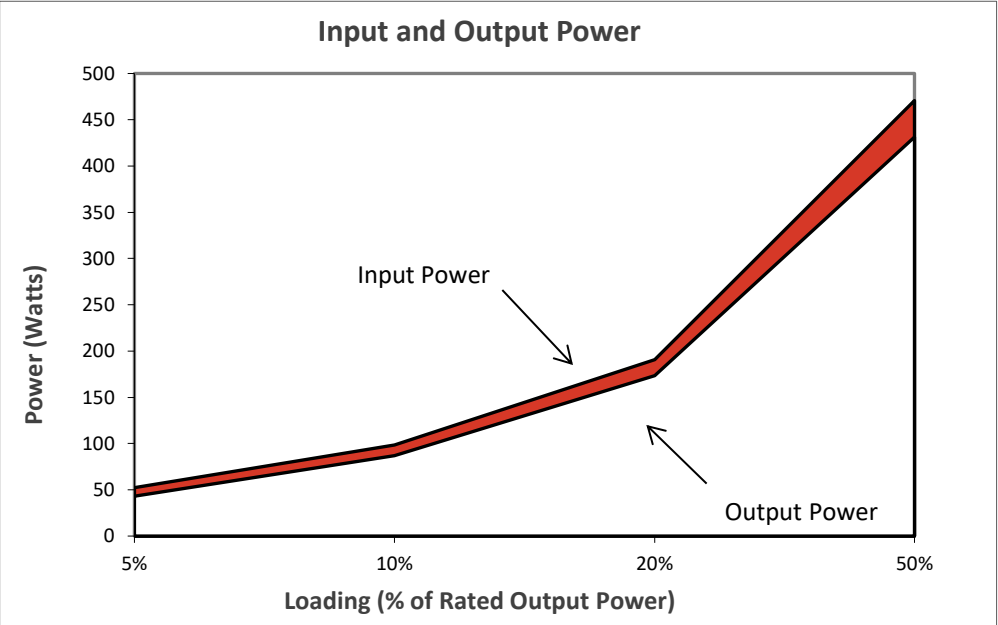
ID Number	7537
Manufacturer	Zalman
Model Number	ZM850-TMX2SE
Serial Number	N/A
Type	ATX12V
Test Date	9/10/24

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



I _{RMS} (A)	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		
0.113	0.2484	18.96	0%	3.86	No-Load						
0.666	0.6866	10.43	5%	52.60	12.23/3.11	11.94/0.013	3.42/0.53	5.12/0.53	5.13/0.132	43.35	82.42%
0.882	0.9684	10.11	10%	98.24	12.22/6.22	11.94/0.026	3.41/1.06	5.11/1.06	5.12/0.263	86.67	88.22%
1.717	0.9660	8.45	20%	190.72	12.21/12.43	11.94/0.053	3.38/2.11	5.1/2.11	5.11/0.527	173.11	90.77%
4.106	0.9972	2.29	50%	470.74	12.19/31.08	11.94/0.132	3.3/5.29	5.06/5.29	5.07/1.317	431.26	91.61%
8.433	0.9991	1.64	100%	968.73	12.14/62.16	11.93/0.263	3.16/10.57	4.99/10.57	5.01/2.632	857.28	88.49%



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/>