

80 PLUS Verification and Testing Report

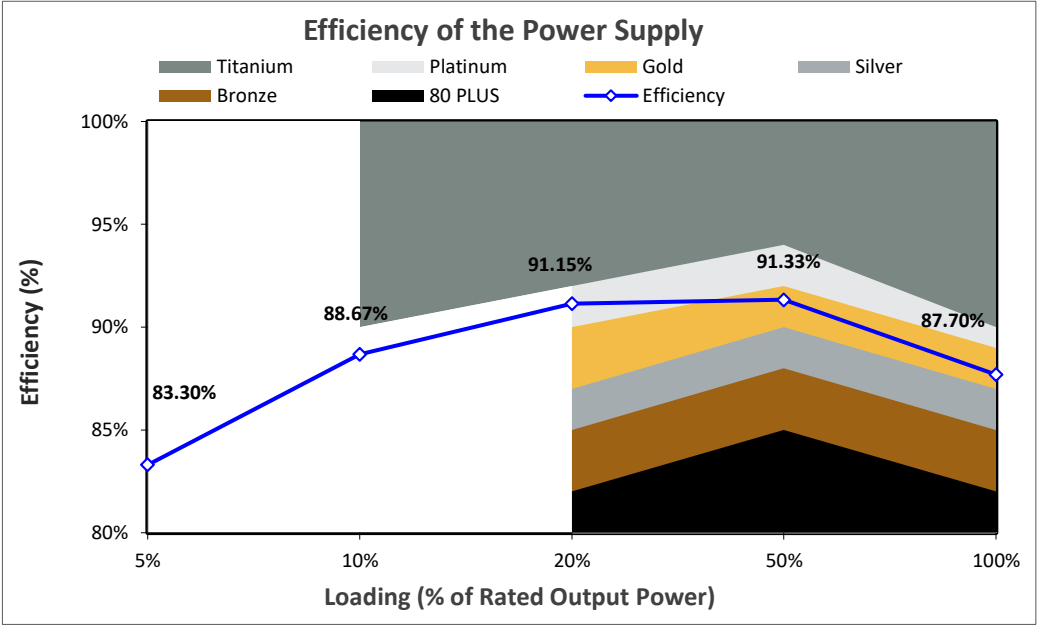
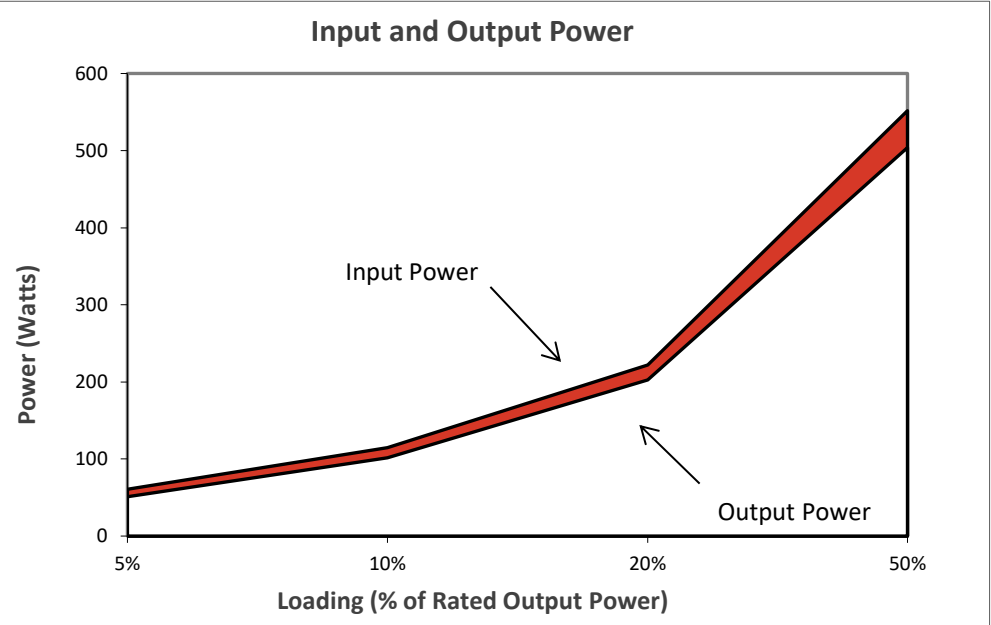
TYPICAL EFFICIENCY (50% Load):	91.33%
AVERAGE EFFICIENCY :	88.43%
80 PLUS COMPLIANT:	Gold

ID Number	7538
Manufacturer	Zalman
Model Number	ZM1000-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	1000	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	5Vstb		
0.120	0.2479	16.93	0%	3.84	No-Load						
0.785	0.6750	8.26	5%	60.92	12.16/3.66	11.95/0.013	3.4/0.64	5.11/0.63	5.12/0.132	50.75	83.30%
1.027	0.9691	11.58	10%	114.41	12.16/7.32	11.95/0.026	3.39/1.27	5.1/1.27	5.12/0.264	101.44	88.67%
1.989	0.9714	9.23	20%	222.22	12.15/14.64	11.95/0.053	3.36/2.54	5.08/2.54	5.1/0.527	202.56	91.15%
4.807	0.9977	2.58	50%	551.72	12.1/36.6	11.95/0.132	3.26/6.35	5.03/6.35	5.07/1.318	503.91	91.33%
9.934	0.9989	1.35	100%	1140.80	12.05/73.19	11.92/0.264	3.1/12.7	4.95/12.7	5/2.634	1000.50	87.70%



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/>

