

80 PLUS Verification and Testing Report

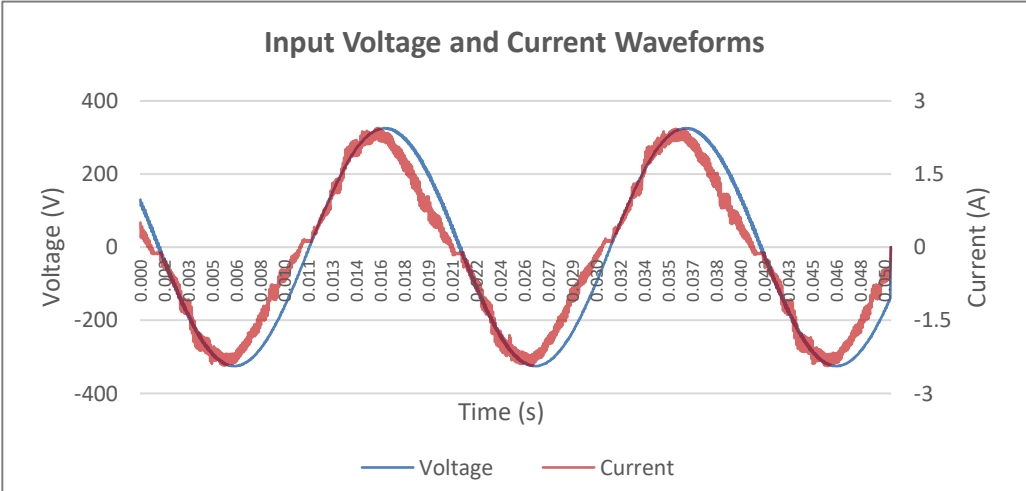
TYPICAL EFFICIENCY (50% Load):	89.84%
AVERAGE EFFICIENCY :	85.46%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1072
Manufacturer	Zalman
Model Number	ZM600-GV2SE
Serial Number	N/A
Type	ATX12V
Test Date	6/18/24

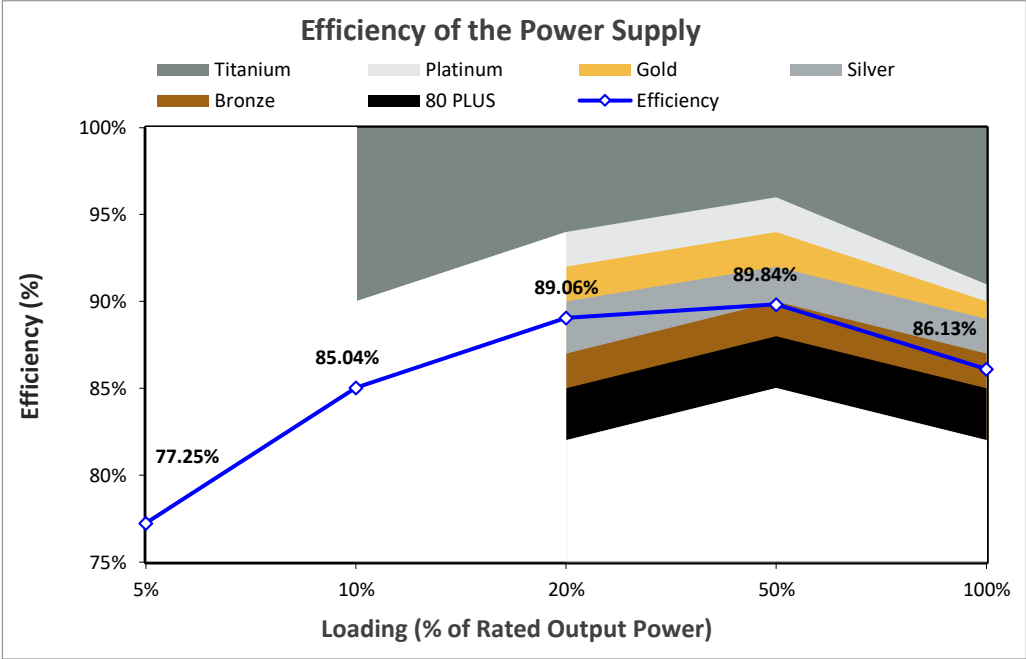
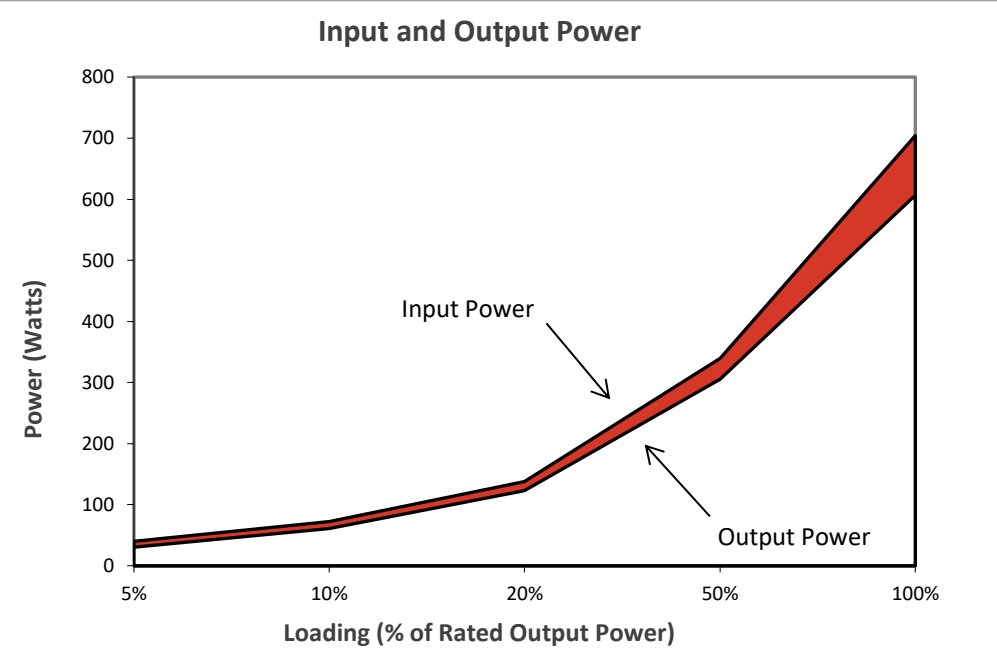
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 11.27%, 50% Load)

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		
0.118	0.3363	24.66	0%	9.15	No-Load						
0.231	0.7476	19.60	5%	39.72	12.27/2.05	11.97/0.021	3.37/0.54	5.15/0.54	5.12/0.123	30.69	77.25%
0.360	0.8717	15.24	10%	72.12	12.26/4.11	11.87/0.041	3.37/1.09	5.14/1.09	5.11/0.246	61.33	85.04%
0.638	0.9375	17.27	20%	137.56	12.25/8.21	11.75/0.082	3.36/2.18	5.13/2.18	5.09/0.493	122.51	89.06%
1.510	0.9784	11.27	50%	339.70	12.23/20.52	11.64/0.205	3.33/5.44	5.08/5.44	5.04/1.231	305.19	89.84%
3.092	0.9900	5.76	100%	704.16	12.17/41.04	11.7/0.41	3.28/10.88	5/10.88	4.95/2.462	606.48	86.13%



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/>