

80 PLUS Verification and Testing Report

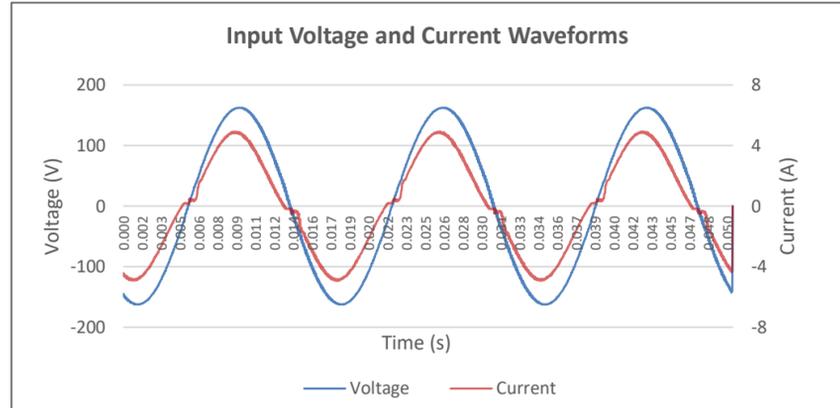
TYPICAL EFFICIENCY (50% Load):	90.81%
AVERAGE EFFICIENCY :	85.84%
80 PLUS COMPLIANT:	Gold



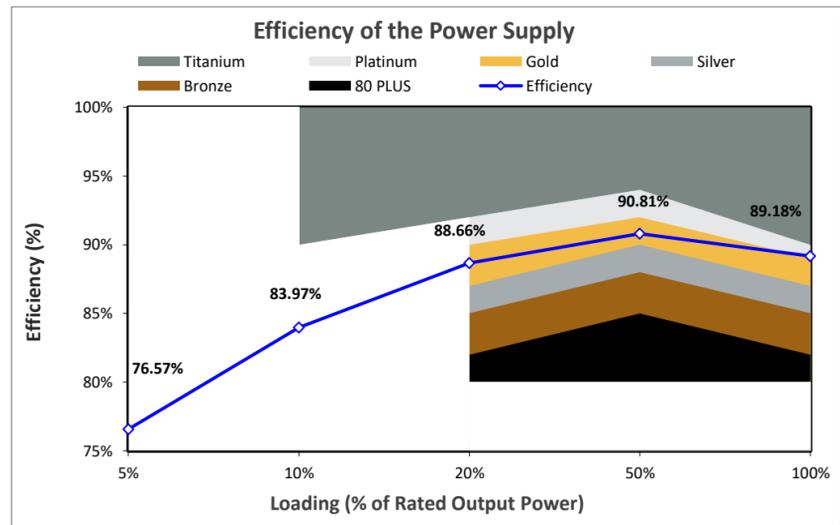
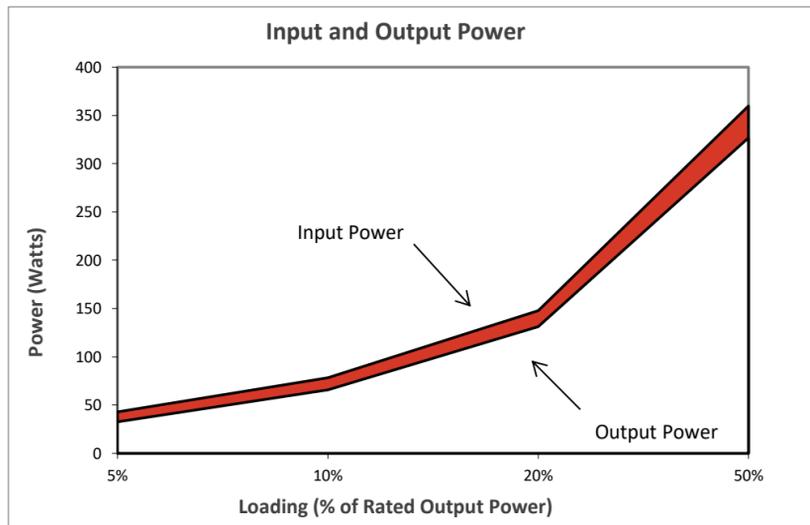
ID Number	7684.1
Manufacturer	Enermax Technology Corporation
Model Number	EGC650
Serial Number	N/A
Type	ATX12V
Test Date	12/9/24

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	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			5VSB
0.178	0.3637	23.33	0%	7.43	No-Load						
0.428	0.8690	15.24	5%	42.82	12.07/2.29	11.9/0.013	3.43/0.51	5.09/0.51	5.1/0.127	32.79	76.57%
0.714	0.9508	12.36	10%	78.08	12.07/4.58	11.91/0.025	3.42/1.02	5.09/1.02	5.09/0.255	65.57	83.97%
1.334	0.9639	16.31	20%	147.83	12.07/9.16	11.9/0.051	3.4/2.04	5.08/2.04	5.08/0.509	131.07	88.66%
3.177	0.9853	12.19	50%	359.83	12.06/22.9	11.93/0.127	3.35/5.11	5.04/5.11	5.04/1.272	326.74	90.81%
6.385	0.9930	9.35	100%	729.26	12.03/45.79	11.95/0.255	3.26/10.22	4.97/10.22	4.96/2.543	650.33	89.18%



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/>