

80 PLUS Verification and Testing Report

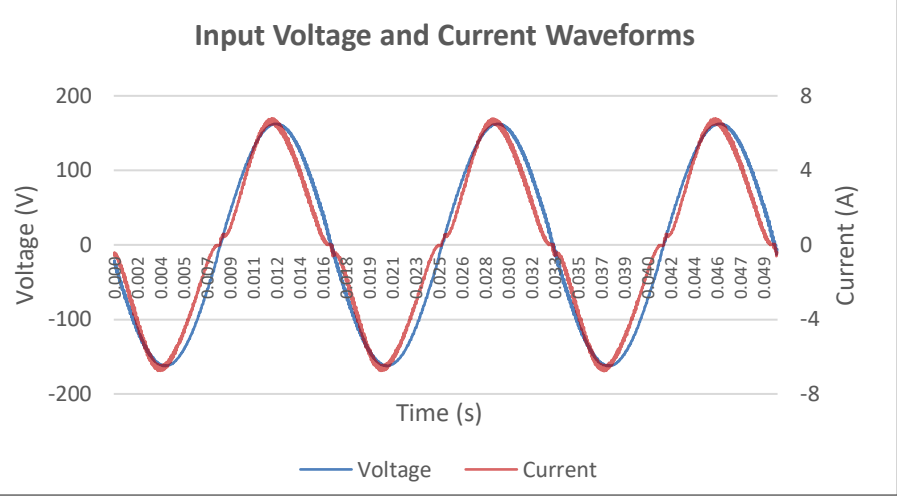
TYPICAL EFFICIENCY (50% Load):	91.15%
AVERAGE EFFICIENCY :	87.32%
80 PLUS COMPLIANT:	Gold



ID Number	7064.3
Manufacturer	LC-Power
Model Number	LC6850G-SI V3.1
Serial Number	N/A
Year	2023
Type	ATX12V, EPS12V
Test Date	6/6/23

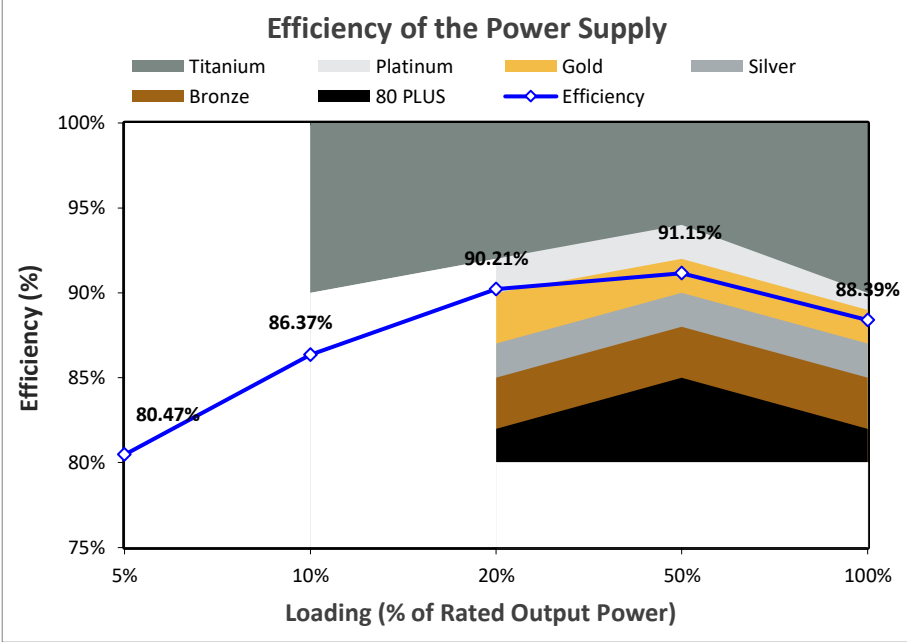
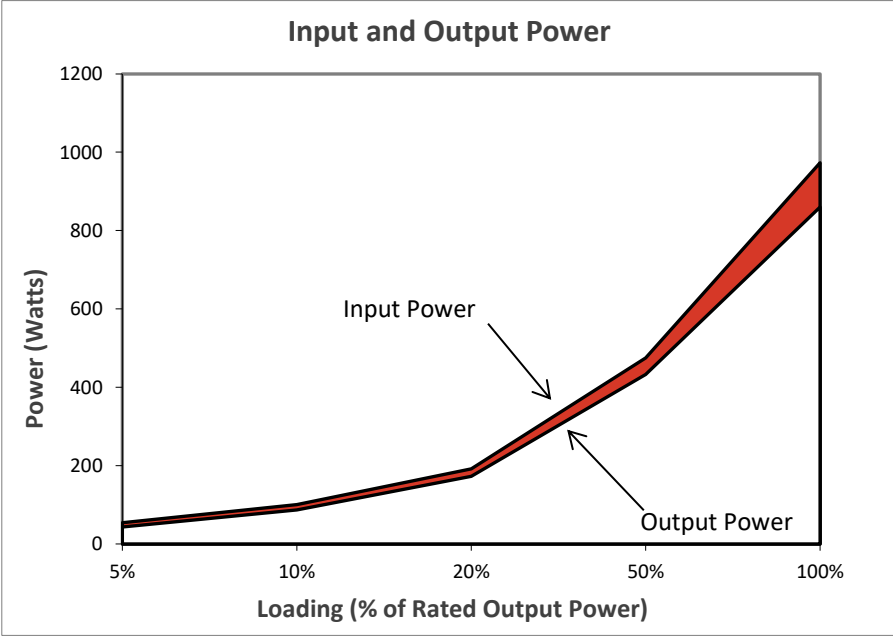
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 14.49%, 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		
0.129	0.5892	39.36	0%	8.73	No-Load						
0.486	0.9628	11.93	5%	53.87	12.21/3.1	12.31/0.02	3.38/0.53	5.17/0.53	5.14/0.13	43.35	80.47%
0.920	0.9510	26.33	10%	100.60	12.21/6.22	12.31/0.05	3.38/1.06	5.16/1.06	5.14/0.26	86.89	86.37%
1.728	0.9660	22.81	20%	192.05	12.2/12.43	12.31/0.07	3.37/2.11	5.15/2.11	5.13/0.53	173.25	90.21%
4.186	0.9862	14.49	50%	474.63	12.17/31.16	12.29/0.18	3.35/5.27	5.12/5.27	5.09/1.32	432.63	91.15%
8.540	0.9907	11.97	100%	973.32	12.11/62.29	12.27/0.35	3.31/10.53	5.07/10.55	5.02/2.63	860.27	88.39%



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/>