

80 PLUS Verification and Testing Report

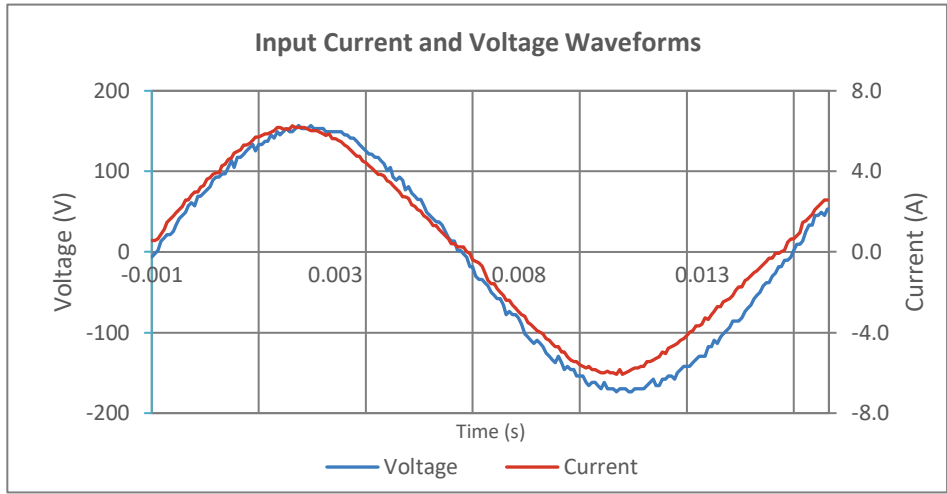
TYPICAL EFFICIENCY (50% Load):	92.13%
AVERAGE EFFICIENCY :	90.57%
80 PLUS COMPLIANT:	Gold



ID Number	6863
Manufacturer	Lian Li Industrial Co., Ltd.
Model Number	SP850
Serial Number	N/A
Year	2022
Type	SFX
Test Date	9/1/22

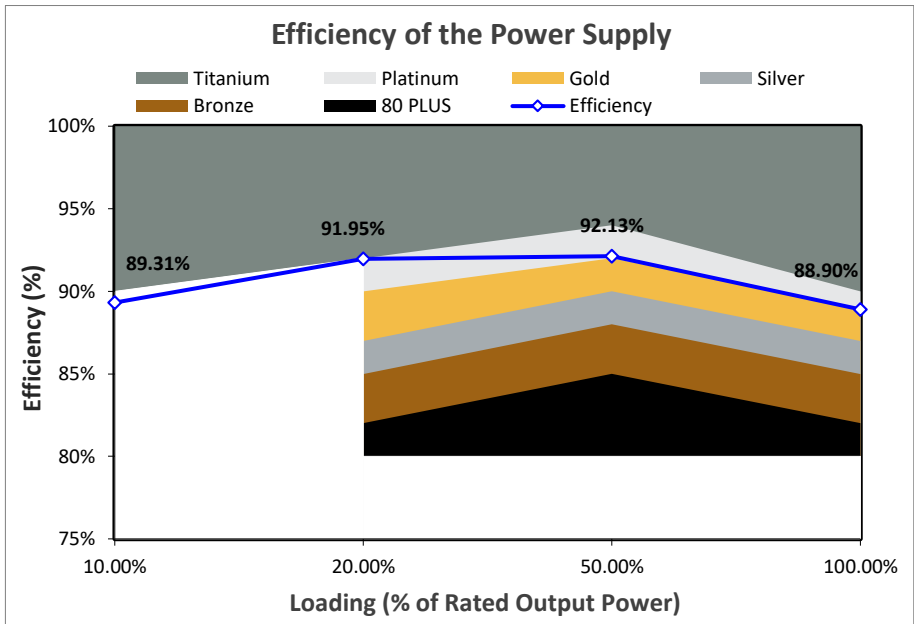
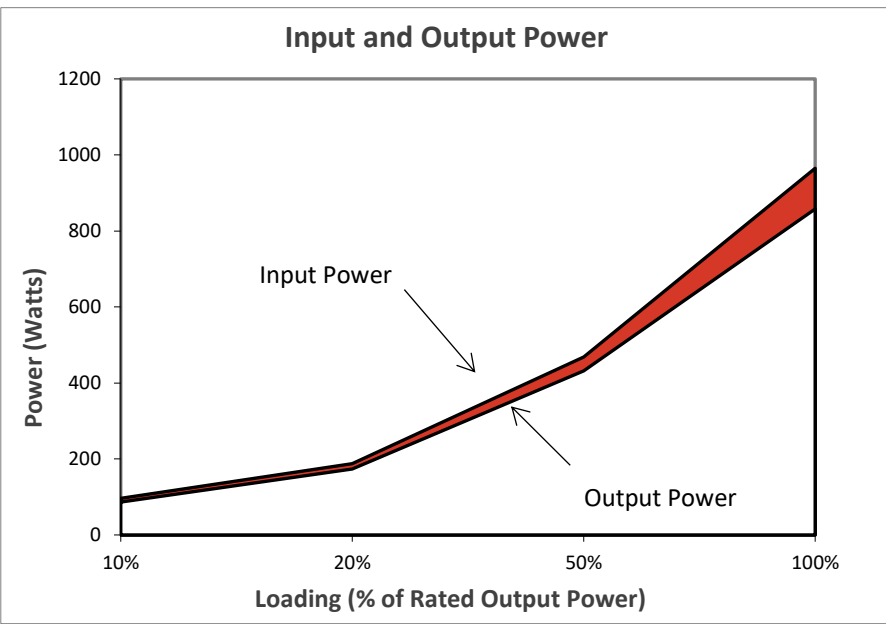
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	60-50	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 5.85%, 50% Load)

I _{RMS}	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		
0.858	0.9779	8.13%	10%	96.50	12.13/6.24	11.87/0.03	3.36/1.07	5.09/1.07	5.14/0.22	86.18	89.31%
1.656	0.9868	7.24%	20%	188.00	12.16/12.5	11.89/0.05	3.35/2.14	5.08/2.14	5.13/0.44	172.87	91.95%
4.091	0.9949	5.85%	50%	467.90	12.13/31.26	12.12/0.13	3.34/5.36	5.06/5.31	5.09/1.11	431.06	92.13%
8.413	0.9971	4.97%	100%	964.80	12.1/62.34	12.14/0.27	3.32/10.72	5.04/10.6	5.03/2.22	857.73	88.90%



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/>