80 PLUS Verification and Testing Report

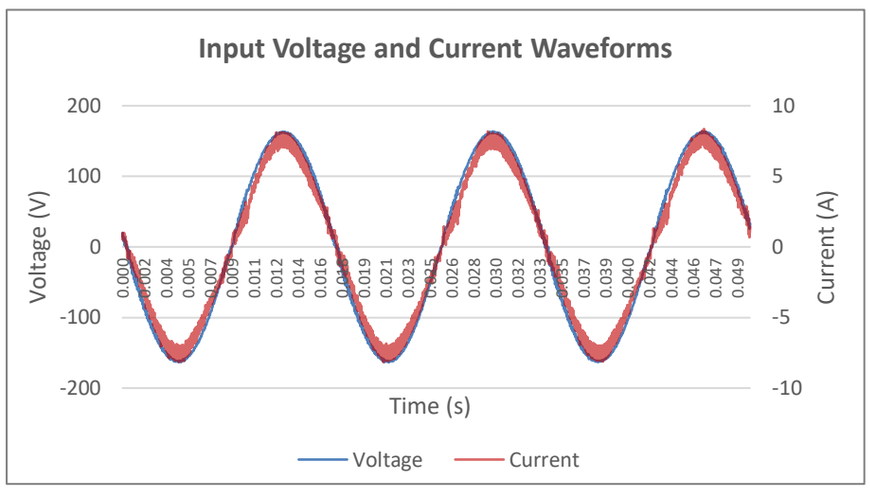
TYPICAL EFFICIENCY (50% Load):	**91.88%**
AVERAGE EFFICIENCY :	**89.38%**
80 PLUS COMPLIANT:	**Gold**



ID Number	7025.2
Manufacturer	Super Flower
Model Number	SF-1050Z12FG
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	4/19/23

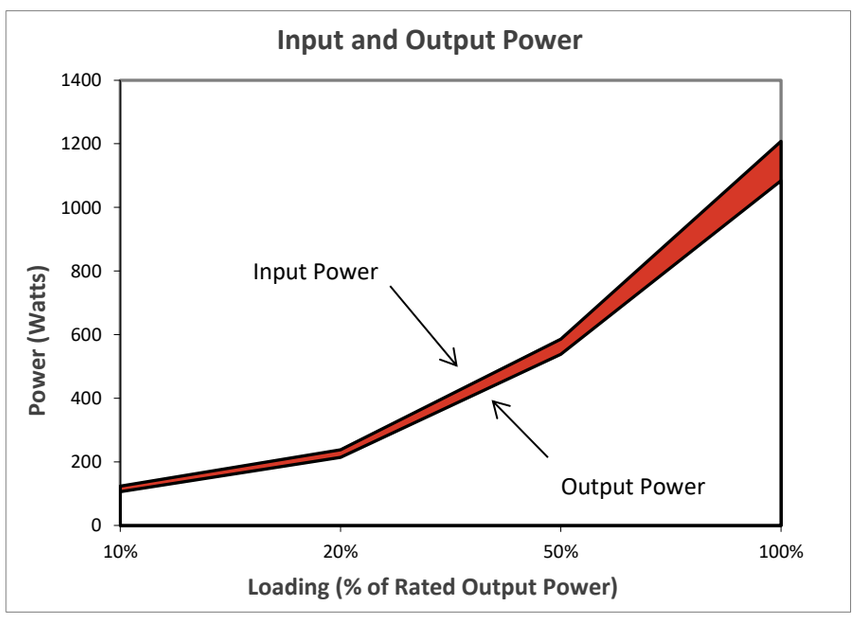
Rated Specifications	Value	Units
Input Voltage	100-240	**Volts**
Input Current	14.8-7.5	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	1050	**Watts**

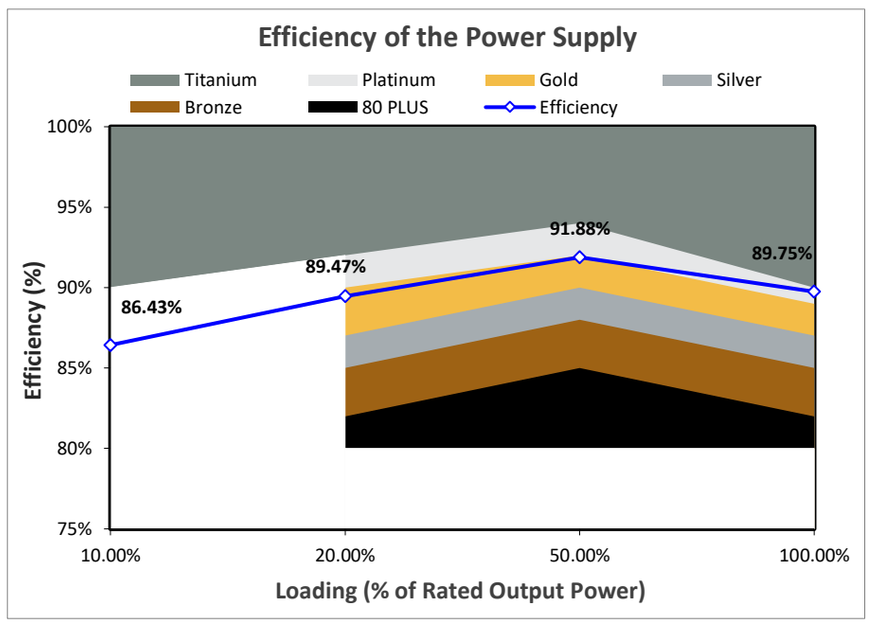
Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 5.39%, 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	5Vsb		
1.103	0.9728	5.58	10%	**123.34**	12.14/7.91	11.68/0.03	3.35/1.08	5.03/1.08	5.1/0.23	**106.60**	**86.43%**
2.095	0.9909	6.88	20%	**238.69**	12.18/15.8	11.69/0.06	3.34/2.17	5.03/2.16	5.09/0.45	**213.55**	**89.47%**
5.112	0.9962	5.39	50%	**585.47**	12.28/39.55	11.74/0.14	3.34/5.43	5.02/5.37	5.05/1.13	**537.95**	**91.88%**
10.545	0.9959	4.56	100%	**1208.22**	12.43/78.86	11.82/0.27	3.34/10.85	5.02/10.75	4.99/2.25	**1084.34**	**89.75%**





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/*