

# 80 PLUS Verification and Testing Report

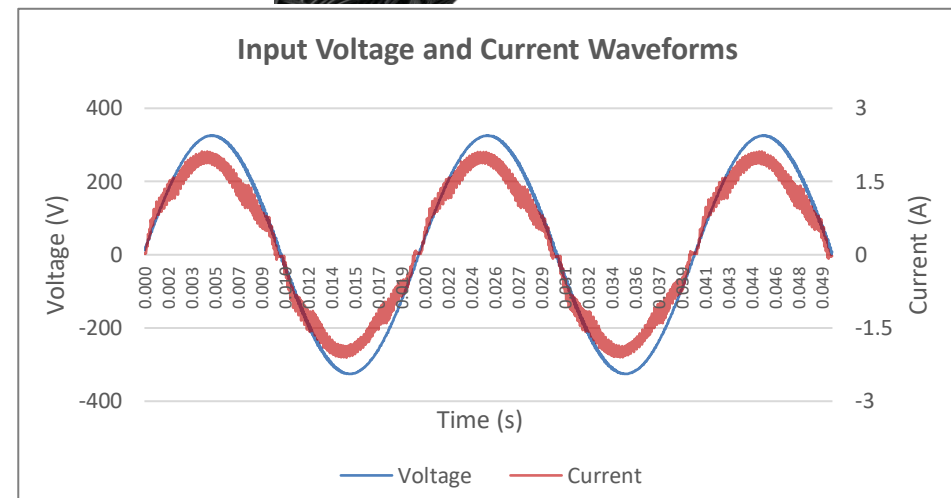
TYPICAL EFFICIENCY (50% Load):	89.14%
AVERAGE EFFICIENCY :	82.68%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1002
Manufacturer	SHENZHEN FPMAX INDUSTRY CO., LTD
Model Number	CS550W BR
Serial Number	6973574166295
Year	2023
Type	ATX12V
Test Date	12/14/23

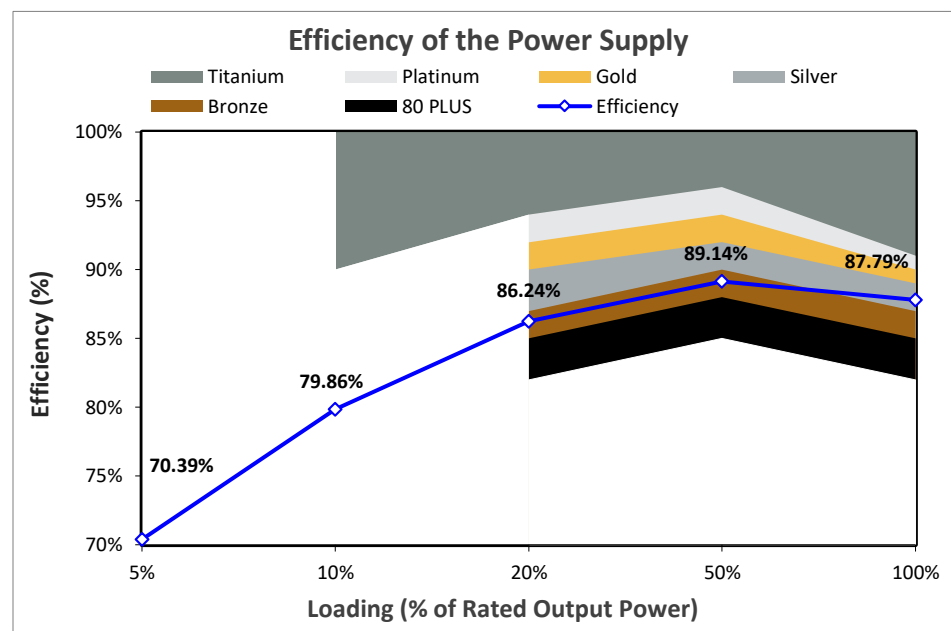
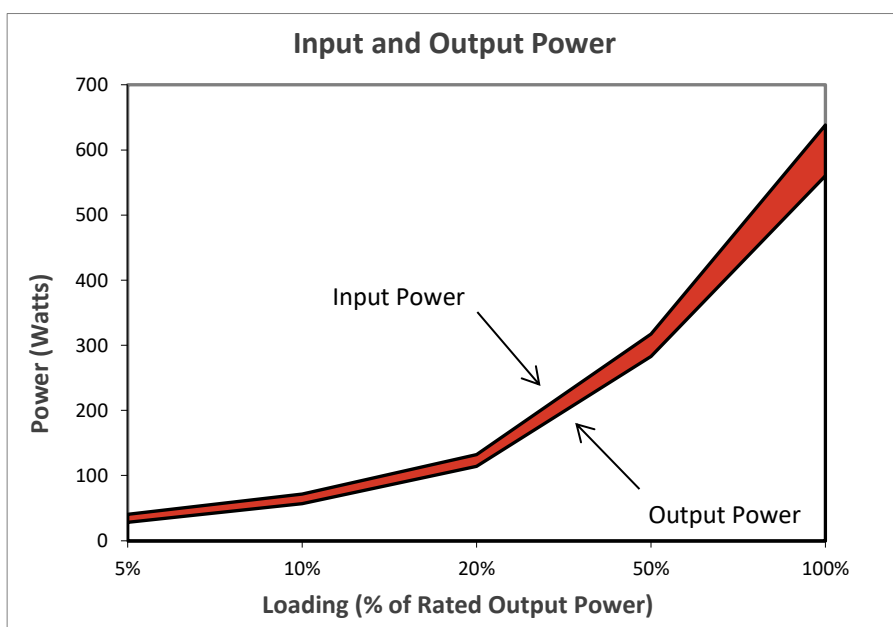
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	4	Amps
Input Frequency	50	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 6.38%, 50% Load)

I <sub>RMS</sub> (A)	PF	I <sub>THD</sub> (%)	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		
0.057	0.4285	59.27	0%	5.58	No-Load						
0.203	<b>0.8680</b>	32.04	5%	40.57	12.5/1.88	11.81/0.015	3.37/0.5	5.11/0.5	5.12/0.125	28.56	70.39%
0.336	<b>0.9259</b>	24.28	10%	71.47	12.5/3.76	11.78/0.03	3.37/1	5.1/1	5.11/0.25	57.07	79.86%
0.590	<b>0.9736</b>	8.64	20%	132.12	12.48/7.52	11.75/0.06	3.35/2	5.08/2	5.09/0.5	113.93	86.24%
1.392	<b>0.9912</b>	6.38	50%	317.38	12.42/18.79	11.7/0.15	3.3/5	5.01/5	5.01/1.25	282.90	89.14%
2.793	<b>0.9935</b>	8.05	100%	638.19	12.34/37.58	11.71/0.3	3.21/10	4.89/10	4.88/2.499	560.28	87.79%



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/>