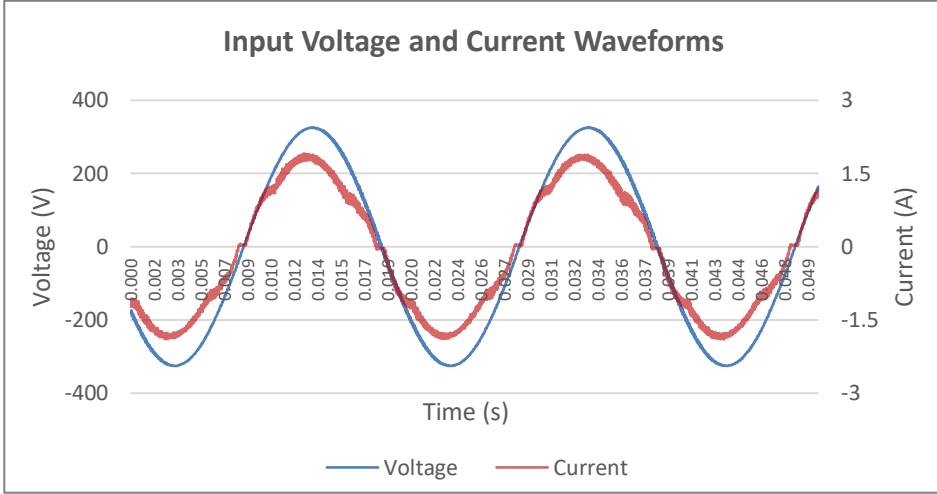


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	88.72%
AVERAGE EFFICIENCY :	81.77%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1001
Manufacturer	SHENZHEN FPMAX INDUSTRY CO., LTD
Model Number	CS500W BR
Serial Number	6973574163324
Year	2023
Type	ATX12V
Test Date	12/14/23

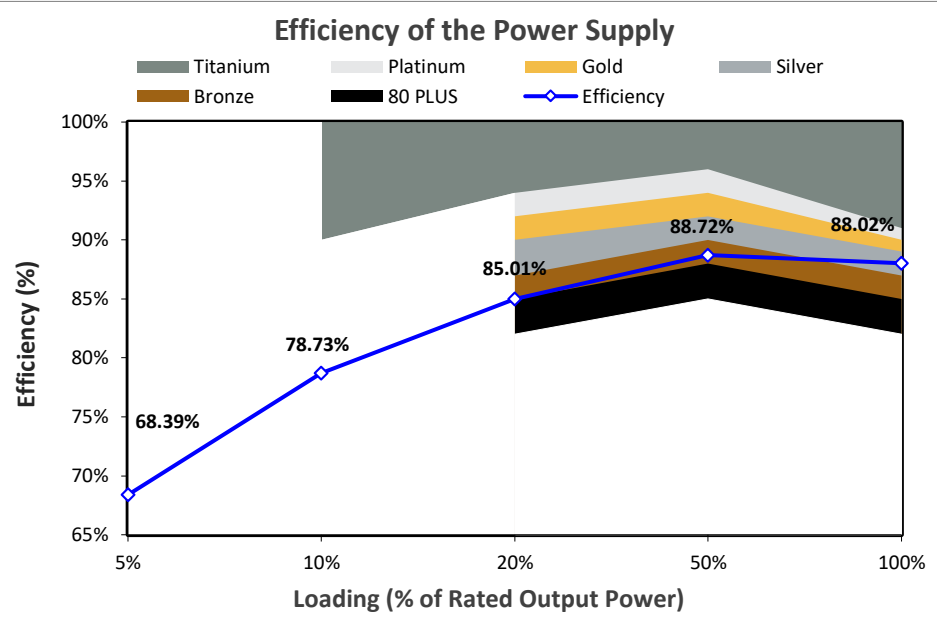
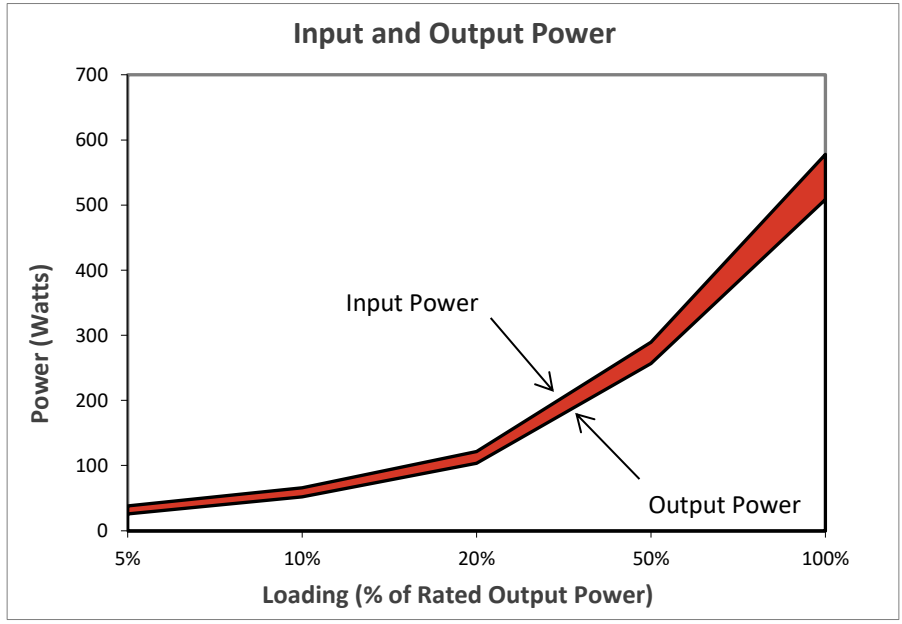


Input AC Current Waveform (ITHD = 5.78%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	4	Amps
Input Frequency	50	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230V nominal at 50 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	5Vstb		
0.057	0.4271	54.73	0%	5.58	No-Load						
0.190	0.8668	30.75	5%	37.89	12.47/1.67	11.75/0.015	3.36/0.5	5.14/0.5	5.11/0.125	25.91	68.39%
0.312	0.9166	29.63	10%	65.75	12.47/3.34	11.71/0.03	3.36/1	5.13/1	5.1/0.25	51.77	78.73%
0.543	0.9743	12.30	20%	121.60	12.45/6.68	11.66/0.06	3.35/2	5.11/2	5.07/0.5	103.37	85.01%
1.267	0.9940	5.78	50%	289.72	12.39/16.71	11.56/0.15	3.33/5	5.07/5	5.02/1.25	257.04	88.72%
2.528	0.9936	8.28	100%	577.79	12.3/33.42	11.53/0.3	3.27/10	4.92/10	4.88/2.499	508.60	88.02%



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/>