

# 80 PLUS Verification and Testing Report

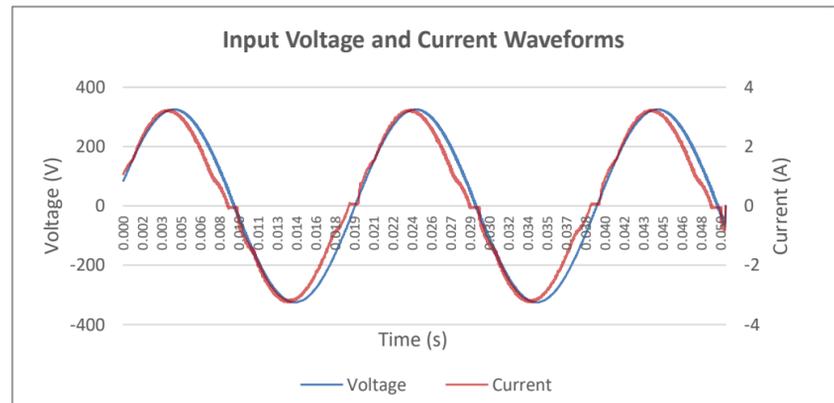
TYPICAL EFFICIENCY (50% Load):	89.21%
AVERAGE EFFICIENCY :	84.30%
80 PLUS COMPLIANT:	Bronze



ID Number	EU-1082
Manufacturer	GUANGZHOU PREE ELECTRONICS
Model Number	FX850
Serial Number	N/A
Type	ATX12V
Test Date	7/18/24

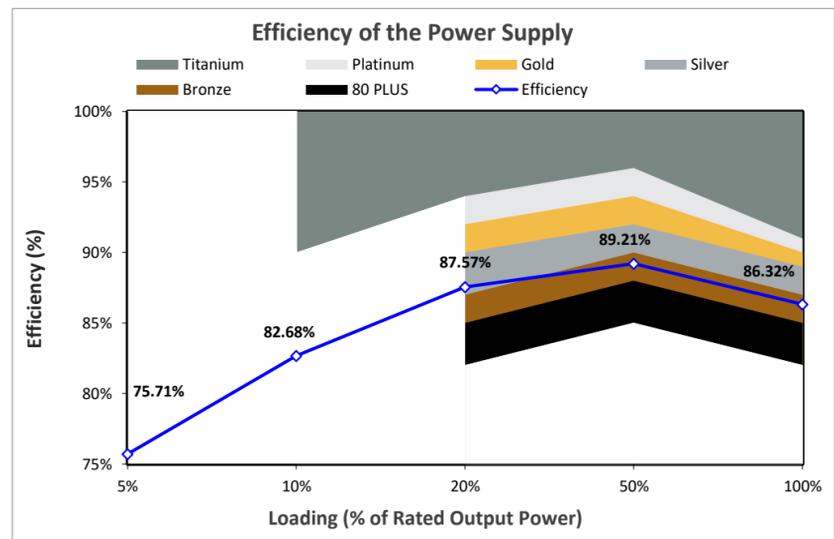
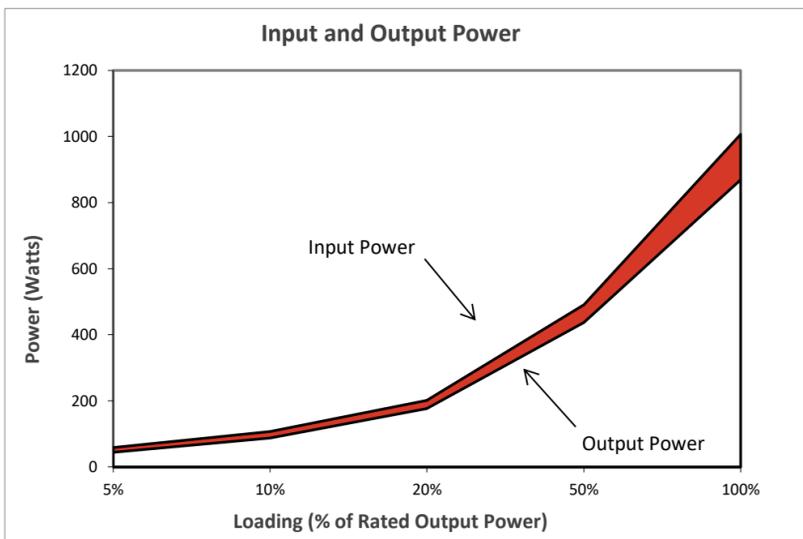
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	4	Amps
Input Frequency	N/A	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 7.7%, 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		
0.078	0.4167	60.75	0%	7.46	No-Load						
0.310	<b>0.8171</b>	38.84	5%	58.22	12.46/3.2	11.84/0.015	3.37/0.4	5.11/0.4	5.14/0.125	44.08	75.71%
0.515	<b>0.8996</b>	23.27	10%	106.53	12.45/6.4	11.84/0.03	3.37/0.8	5.11/0.8	5.12/0.25	88.08	82.68%
0.912	<b>0.9577</b>	10.46	20%	200.84	12.44/12.79	11.85/0.06	3.36/1.6	5.09/1.6	5.1/0.5	175.87	87.57%
2.159	<b>0.9880</b>	7.70	50%	490.61	12.39/31.98	11.97/0.15	3.32/4	5.06/4	5.01/1.25	437.69	89.21%
4.413	<b>0.9915</b>	9.13	100%	1006.58	12.3/63.96	12.23/0.3	3.27/8	4.99/8	4.88/2.498	868.93	86.32%



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/>