

80 PLUS Verification and Testing Report

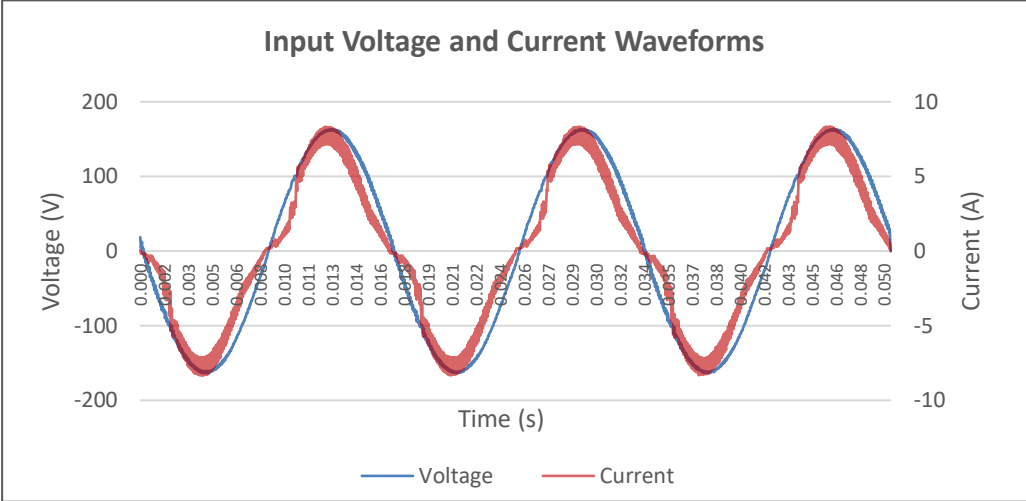
TYPICAL EFFICIENCY (50% Load):	91.64%
AVERAGE EFFICIENCY :	88.41%
80 PLUS COMPLIANT:	Gold



ID Number	7437.2
Manufacturer	Fractal Design
Model Number	FD-P-IA3G-100 (Ion 3 Gold 1000W Black)
Serial Number	N/A
Type	ATX12V
Test Date	6/6/24

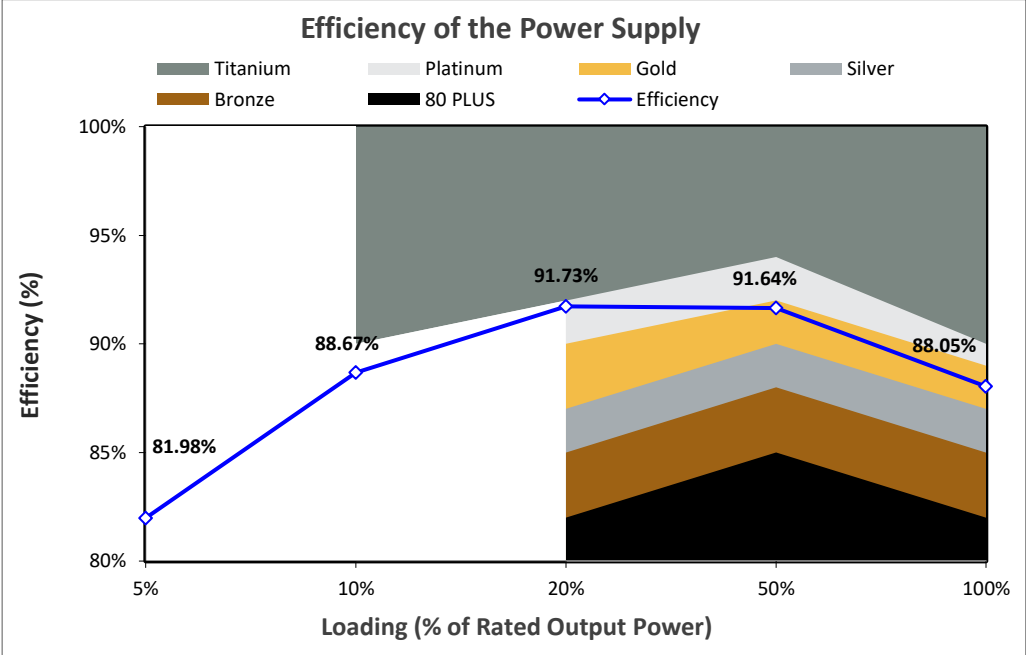
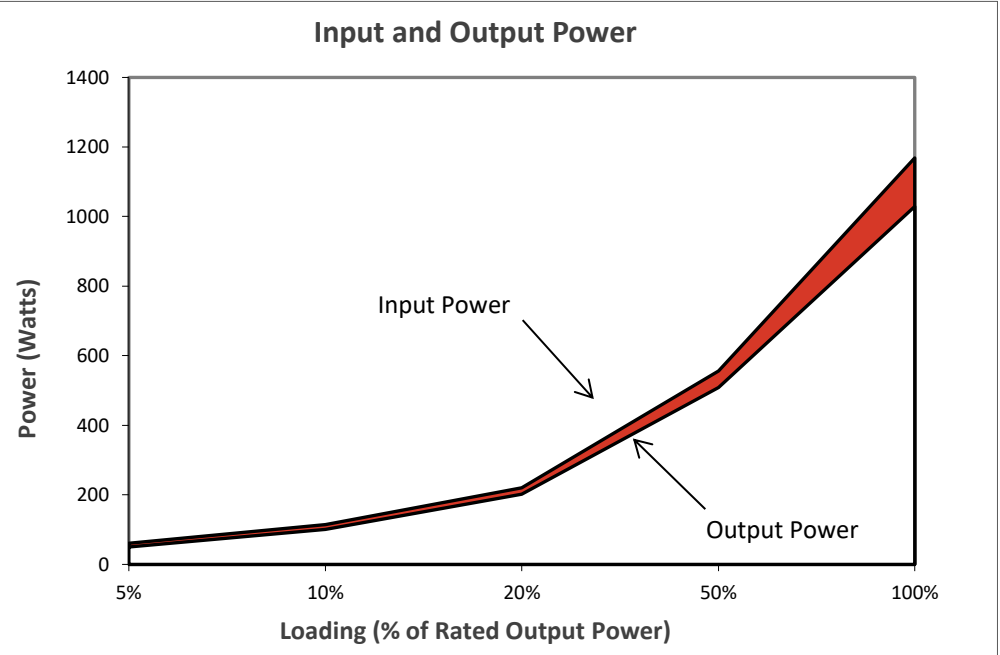
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13-6.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 17.74%, 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	5Vstb		
0.100	0.2863	16.81	0%	3.31	No-Load						
0.576	0.9291	27.67	5%	61.52	12.09/3.64	11.91/0.013	3.35/0.66	5.05/0.66	5.11/0.132	50.44	81.98%
1.040	0.9531	23.01	10%	113.95	12.12/7.29	11.94/0.026	3.35/1.32	5.05/1.32	5.1/0.263	101.03	88.67%
1.975	0.9708	18.88	20%	220.45	12.13/14.57	12/0.053	3.35/2.64	5.05/2.64	5.08/0.526	202.21	91.73%
4.925	0.9807	17.74	50%	555.35	12.23/36.42	12.14/0.132	3.35/6.61	5.05/6.61	5.04/1.316	508.94	91.64%
10.263	0.9904	12.18	100%	1168.56	12.38/72.84	12.4/0.263	3.36/13.22	5.06/13.22	4.95/2.631	1028.89	88.05%



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/>