

80 PLUS Verification and Testing Report

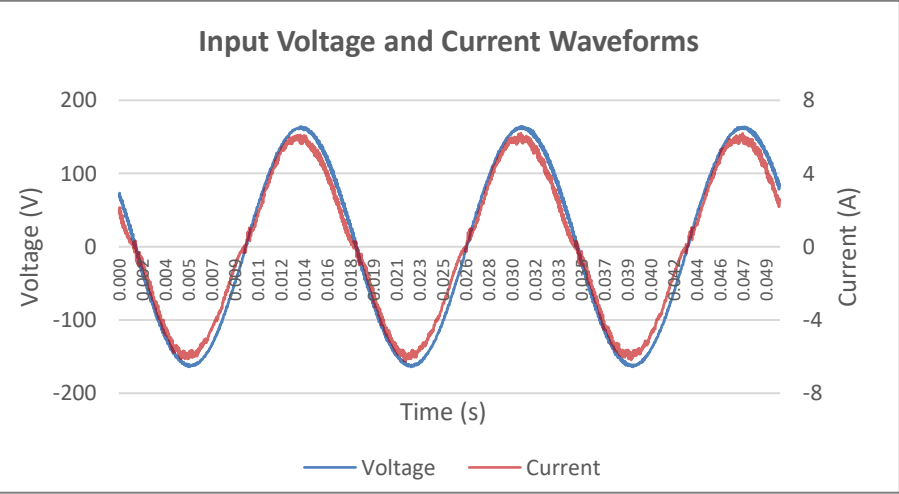
TYPICAL EFFICIENCY (50% Load):	91.47%
AVERAGE EFFICIENCY :	87.69%
80 PLUS COMPLIANT:	Gold



ID Number	7106.4
Manufacturer	Chieftec
Model Number	PPG-850
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	7/27/23

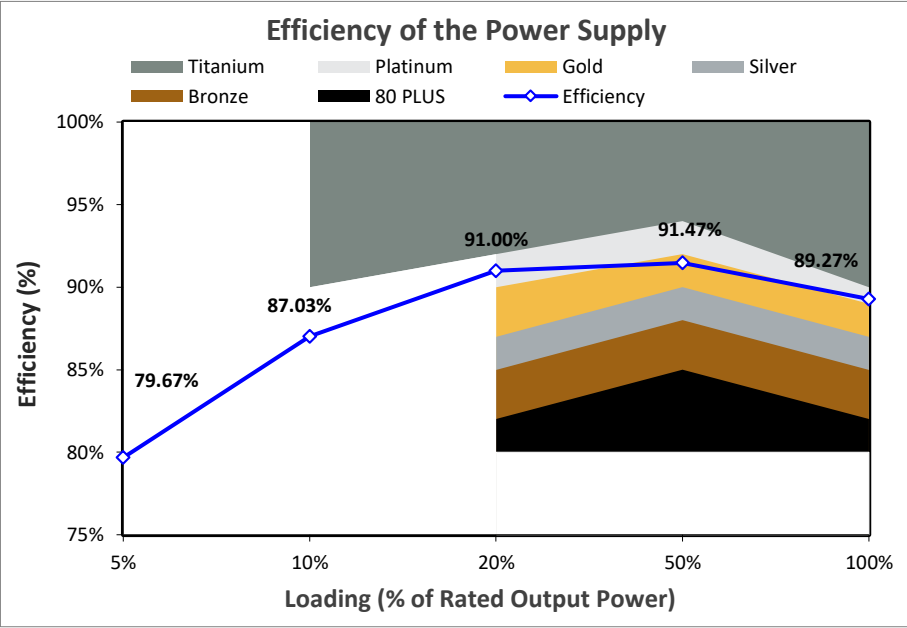
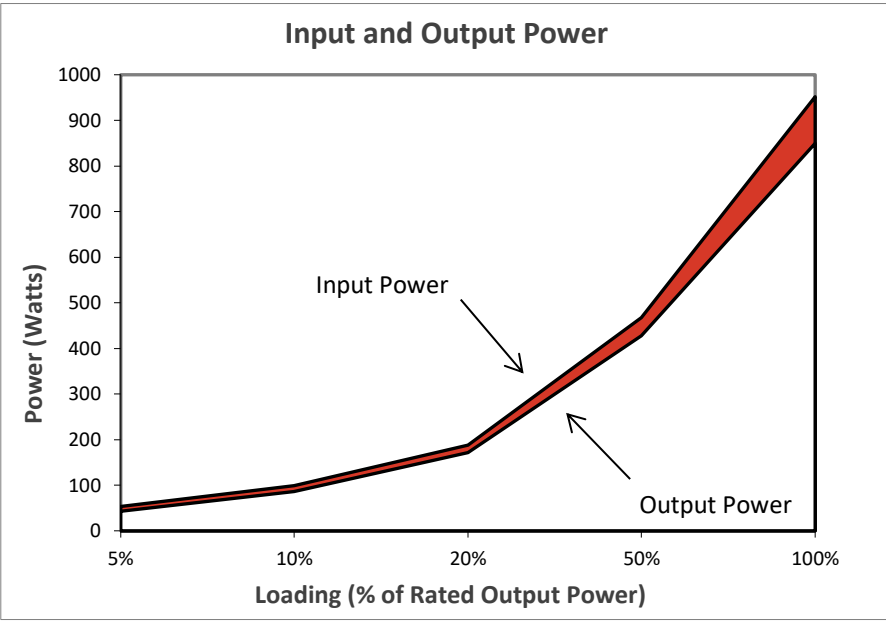
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 6.25%, 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		
0.083	0.2527	21.80	0%	2.42	No-Load						
0.496	0.9428	17.39	5%	53.80	12.05/3.12	11.93/0.01	3.33/0.53	5.08/0.53	5.08/0.13	42.86	79.67%
0.879	0.9745	14.98	10%	98.50	12.05/6.23	11.93/0.03	3.33/1.06	5.08/1.06	5.08/0.26	85.73	87.03%
1.653	0.9910	10.02	20%	188.40	12.04/12.48	11.93/0.06	3.33/2.12	5.07/2.12	5.07/0.53	171.44	91.00%
4.074	0.9962	6.25	50%	466.91	11.99/31.23	11.47/0.13	3.33/5.28	5.08/5.28	5.03/1.32	427.07	91.47%
8.288	0.9979	5.38	100%	951.77	11.96/62.3	11.7/0.26	3.33/10.55	5.07/10.57	4.98/2.63	849.63	89.27%



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/>