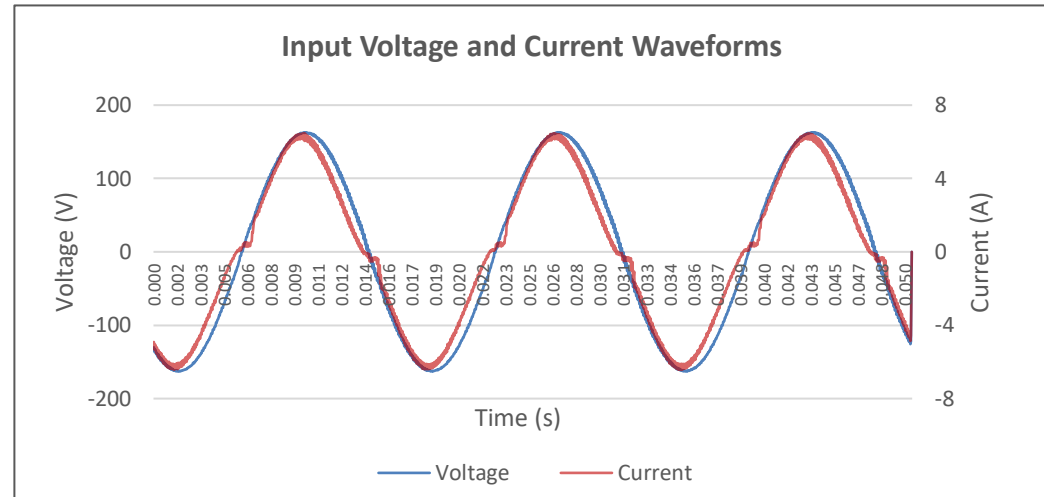


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	91.71%
AVERAGE EFFICIENCY :	88.03%
80 PLUS COMPLIANT:	Gold



ID Number	7533
Manufacturer	Thermaltake
Model Number	TOUGHPOWER GT 850W
Serial Number	N/A
Type	ATX12V
Test Date	9/6/24

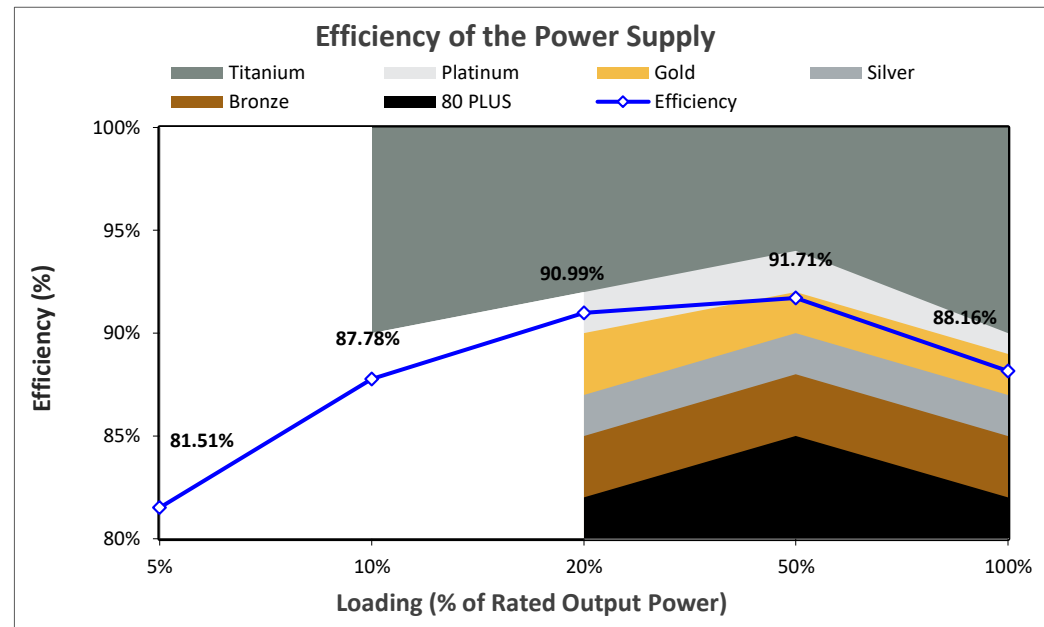
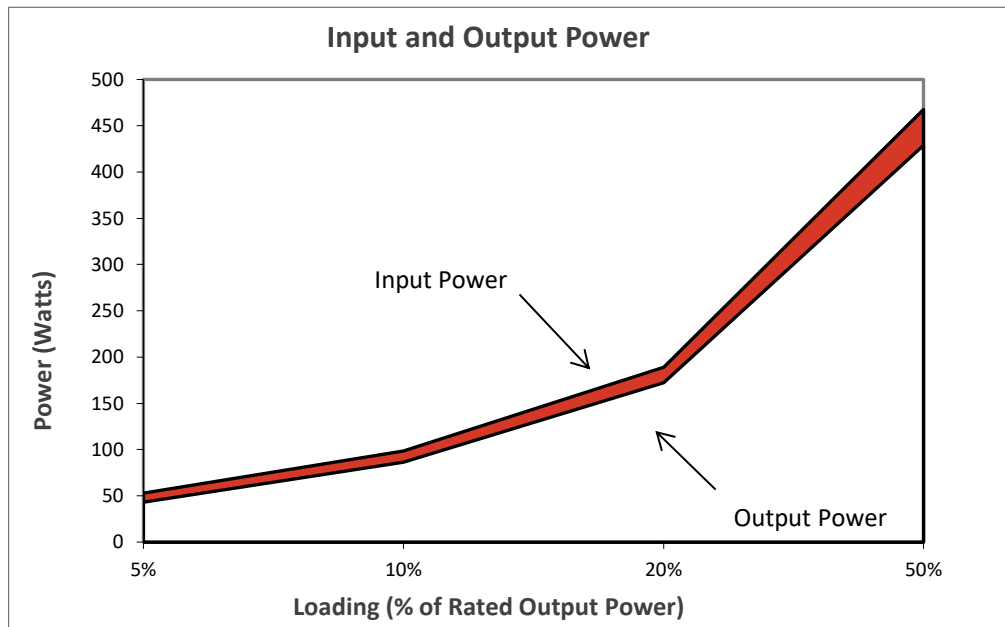


Input AC Current Waveform (ITHD = 11.16%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	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.

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		
0.164	0.4410	30.82	0%	8.33	No-Load						
0.497	0.9252	13.67	5%	52.87	12.15/3.11	12.08/0.013	3.38/0.53	5.09/0.53	5.11/0.132	43.10	81.51%
0.872	0.9781	9.20	10%	98.16	12.15/6.22	12.09/0.026	3.37/1.06	5.09/1.06	5.08/0.263	86.17	87.78%
1.687	0.9754	14.50	20%	189.16	12.15/12.43	12.11/0.053	3.36/2.12	5.07/2.12	5.04/0.527	172.13	90.99%
4.109	0.9895	11.16	50%	467.53	12.12/31.08	12.17/0.132	3.31/5.29	5.01/5.29	4.93/1.317	428.77	91.71%
8.473	0.9957	7.62	100%	970.25	12.12/62.16	12.3/0.263	3.24/10.58	4.93/10.58	4.75/2.633	855.32	88.16%



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/>