

80 PLUS Verification and Testing Report

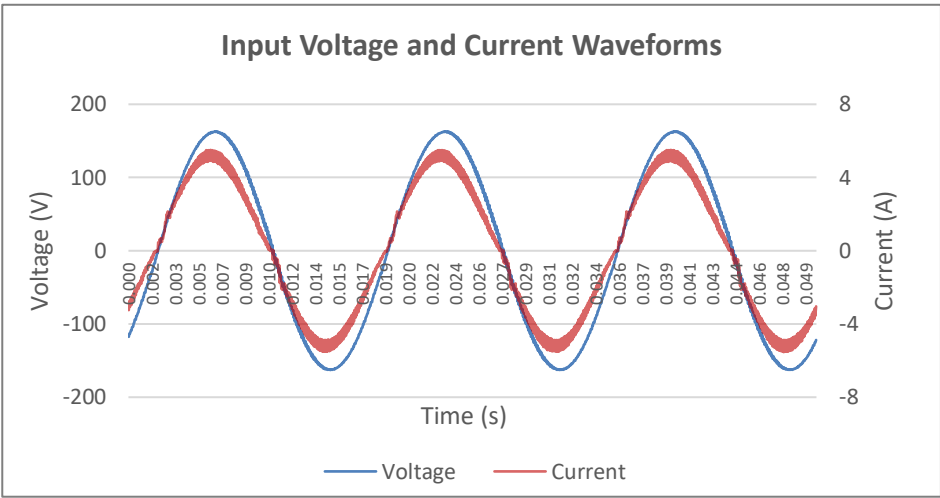
TYPICAL EFFICIENCY (50% Load):	92.45%
AVERAGE EFFICIENCY :	88.37%
80 PLUS COMPLIANT:	Platinum



ID Number	7247
Manufacturer	Thermaltake
Model Number	TPD-750AH2FLG TOUGHPOWER GF1 750W
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	12/8/23

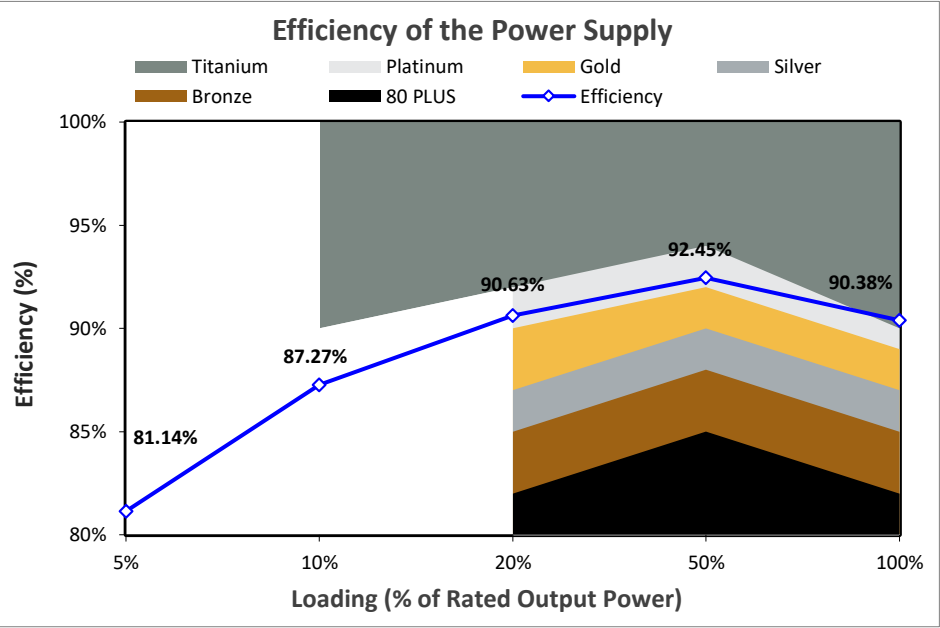
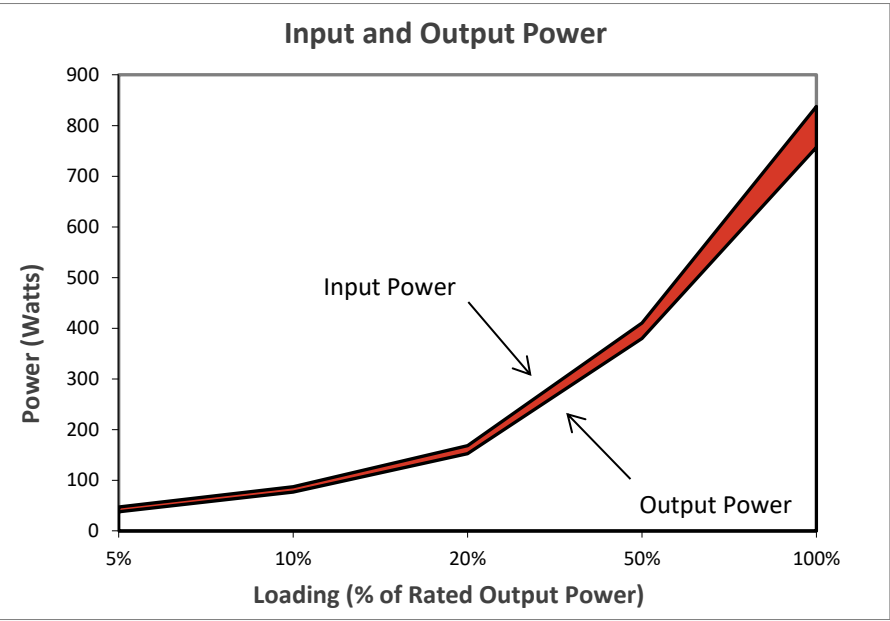
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		15-8	Amps
Input Frequency		50/60	Hz
Rated Output Power		750	Watts

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



Input AC Current Waveform (ITHD = 4.31%, 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		
0.137	0.4817	37.03	0%	7.60	No-Load						
0.445	0.9157	13.06	5%	46.83	12.15/2.7	11.99/0.013	3.36/0.52	5.08/0.52	5.07/0.13	38.00	81.14%
0.787	0.9624	9.87	10%	87.07	12.15/5.4	11.99/0.026	3.36/1.04	5.08/1.04	5.06/0.259	75.99	87.27%
1.496	0.9749	10.43	20%	167.64	12.15/10.8	11.99/0.052	3.36/2.08	5.07/2.08	5.05/0.518	151.92	90.63%
3.593	0.9928	4.31	50%	410.31	12.14/26.99	12/0.13	3.35/5.2	5.06/5.2	5/1.295	379.33	92.45%
7.301	0.9970	3.77	100%	837.42	12.12/53.97	12.01/0.259	3.33/10.4	5.04/10.4	4.95/2.589	756.85	90.38%



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/>