

80 PLUS Verification and Testing Report

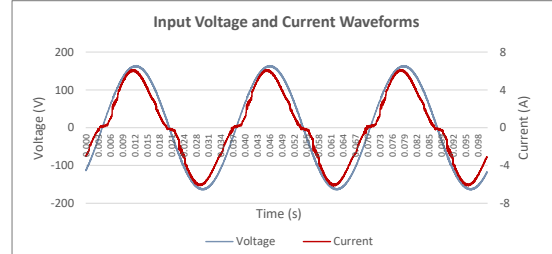
TYPICAL EFFICIENCY (50% Load):	87.16%
AVERAGE EFFICIENCY :	79.58%
AVERAGE STANDBY EFFICIENCY :	77.50%
80 PLUS COMPLIANT:	Bronze



ID Number	7881
Manufacturer	ASUS
Model Number	TUF-GAMING-750B-EVO
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	6/26/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	750	Watts

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



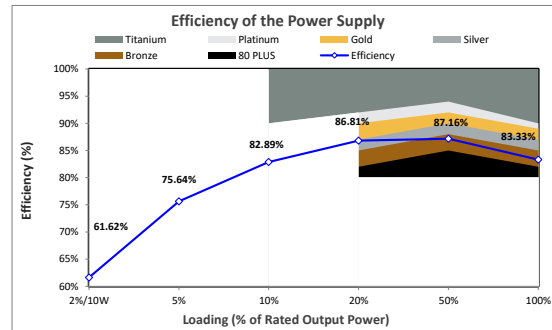
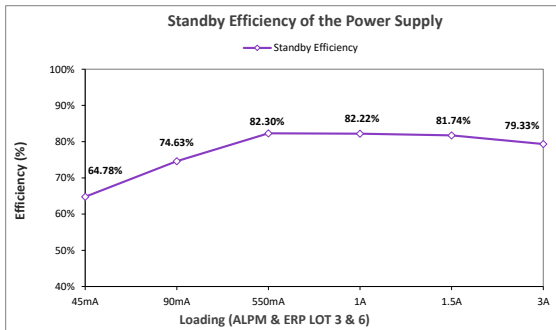
Input AC Current Waveform (I_{THD} = 16.44%, 50% Load)

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.)						
0.123	0.5219	40.98	0%	7.36	No-Load						
0.265	0.8159	44.15	2%/10W	24.82	12.231/1.106	11.957/0.005	3.396/0.170	5.149/0.170	5.035/0.053	15.30	61.62%
0.490	0.8970	37.63	5%	50.54	12.223/2.763	12.020/0.013	3.392/0.426	5.146/0.426	5.031/0.133	38.22	75.64%
0.857	0.9356	31.12	10%	92.13	12.213/5.524	12.064/0.027	3.386/0.852	5.140/0.852	5.025/0.265	76.37	82.89%
1.579	0.9668	24.35	20%	175.61	12.191/11.048	12.105/0.053	3.373/1.704	5.129/1.704	5.013/0.530	152.45	86.81%
3.837	0.9846	16.44	50%	434.54	12.118/27.619	12.217/0.133	3.335/4.259	5.098/4.259	4.977/1.326	378.76	87.16%
7.866	0.9917	11.45	100%	896.86	11.955/55.232	12.315/0.265	3.252/8.520	5.056/8.518	4.999/2.651	747.32	83.33%

Note: Efficiency data was obtained from Sample 1 (Serial Number: N/A)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Standby Efficiency
					5VSB						
0.095	0.0050	7.56	0mA	0.05	Vampire Load						
0.098	0.0316	13.03	45mA	0.36	5.120/0.045					0.23	64.78%
0.100	0.0538	19.59	90mA	0.62	5.118/0.090					0.46	74.63%
0.131	0.2268	64.33	550mA	3.41	5.106/0.550					2.81	82.30%
0.173	0.3119	79.34	1A	6.19	5.094/1.000					5.09	82.22%
0.228	0.3562	84.88	1.5A	9.32	5.081/1.500					7.62	81.74%
0.391	0.4174	88.16	3A	18.75	4.956/3.002					14.88	79.33%

Note: Standby efficiency data was obtained from Sample 2 (Serial Number: N/A)



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.

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