80 PLUS Verification and Testing Report

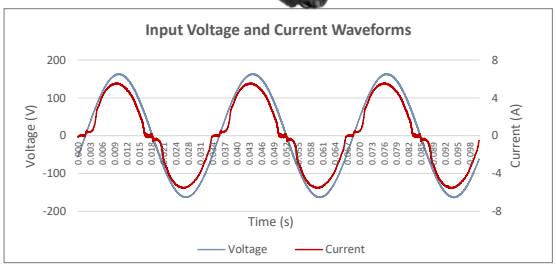
TYPICAL EFFICIENCY (50% Load):	**88.92%**
AVERAGE EFFICIENCY :	**81.99%**
AVERAGE STANDBY EFFICIENCY :	**76.46%**
80 PLUS COMPLIANT:	**Silver**



ID Number	7855
Manufacturer	ASRock
Model Number	PRO- 750B
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	6/9/25

Rated	Value	Units
Input Voltage	100-240	**Volts**
Input Current	10-5	**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.



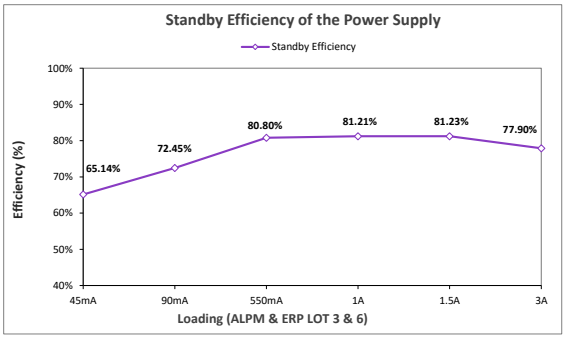
Input AC Current Waveform (ITHD = 15.33%, 50% Load)

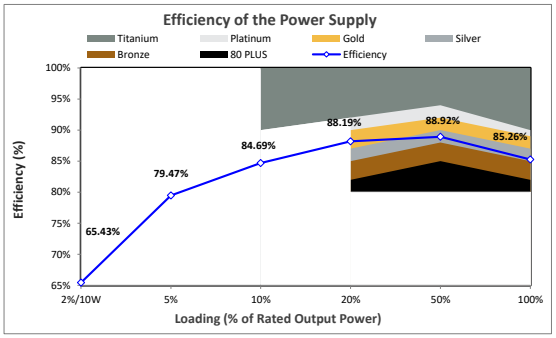
I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.173	0.3292	56.21	0%	**6.54**	**No-Load**						
0.277	**0.7276**	48.99	2%/10W	**23.14**	12.117/1.081	11.681/0.005	3.303/0.208	5.040/0.208	5.174/0.052	**15.14**	**65.43%**
0.452	**0.9173**	27.46	5%	**47.63**	12.115/2.700	11.742/0.013	3.304/0.520	5.040/0.520	5.169/0.130	**37.85**	**79.47%**
0.824	**0.9426**	27.95	10%	**89.34**	12.110/5.396	12.160/0.026	3.305/1.040	5.041/1.041	5.160/0.259	**75.66**	**84.69%**
1.578	**0.9447**	30.66	20%	**171.46**	12.101/10.791	12.181/0.052	3.303/2.080	5.042/2.081	5.143/0.518	**151.21**	**88.19%**
3.742	**0.9860**	15.33	50%	**424.30**	12.071/26.981	12.159/0.130	3.309/5.201	5.044/5.202	5.090/1.295	**377.29**	**88.92%**
7.710	**0.9944**	9.60	100%	**881.63**	12.021/53.963	12.165/0.259	3.309/10.402	5.049/10.403	4.999/2.590	**751.71**	**85.26%**

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		
0.060	0.0098	4.84	0mA	**0.07**	**Vampire Load**		
0.058	**0.0534**	17.92	45mA	**0.36**	5.152/0.045	**0.23**	**65.14%**
0.060	**0.0926**	29.39	90mA	**0.64**	5.150/0.090	**0.46**	**72.45%**
0.093	**0.3272**	75.49	550mA	**3.50**	5.135/0.550	**2.82**	**80.80%**
0.136	**0.4034**	83.28	1A	**6.30**	5.121/1.000	**5.12**	**81.21%**
0.188	**0.4367**	85.54	1.5A	**9.42**	5.104/1.500	**7.65**	**81.23%**
0.345	**0.4909**	85.60	3A	**19.46**	5.050/3.002	**15.16**	**77.90%**

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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