

80 PLUS Verification and Testing Report

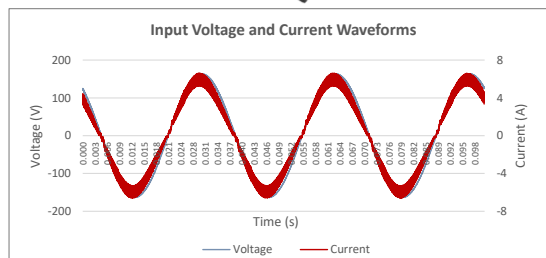
TYPICAL EFFICIENCY (50% Load):	92.85%
AVERAGE EFFICIENCY :	88.02%
AVERAGE STANDBY EFFICIENCY :	78.72%
80 PLUS COMPLIANT:	Platinum



ID Number	7827
Manufacturer	1st Player
Model Number	HA-850BA3
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V, ATX 3.1
Test Date	5/9/25

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



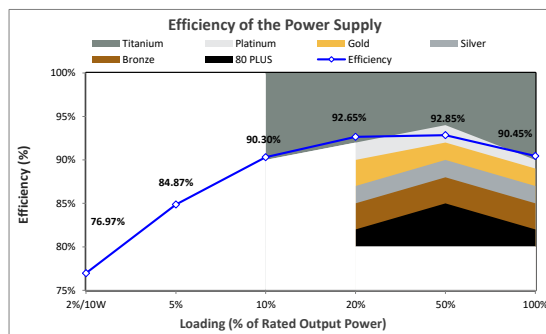
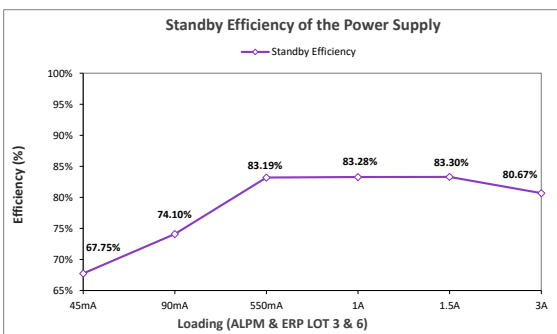
Input AC Current Waveform (ITHD = 4.53%, 50% Load)

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		
0.186	0.1281	62.50	0%	2.73	No-Load						
0.301	0.6452	31.35	2%/10W	22.36	12.142/1.219	12.201/0.005	3.330/0.249	5.089/0.249	5.134/0.052	17.21	76.97%
0.527	0.8361	16.06	5%	50.70	12.143/3.046	12.202/0.013	3.331/0.622	5.089/0.622	5.130/0.129	43.03	84.87%
0.876	0.9456	9.38	10%	95.26	12.141/6.089	12.200/0.026	3.333/1.244	5.091/1.243	5.124/0.258	86.03	90.30%
1.655	0.9756	6.03	20%	185.74	12.142/12.179	12.206/0.052	3.333/2.487	5.091/2.487	5.112/0.516	172.08	92.65%
4.055	0.9934	4.53	50%	463.25	12.140/30.448	12.210/0.129	3.334/6.219	5.090/6.218	5.076/1.290	430.11	92.85%
8.279	0.9977	3.39	100%	949.75	12.127/60.890	12.221/0.258	3.333/12.435	5.084/12.435	5.017/2.580	859.06	90.45%

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	Vampire Load					
0.159	0.0027	22.76	0mA	0.05							
0.119	0.0250	23.20	45mA	0.34		5.142/0.045				0.23	67.75%
0.127	0.0427	29.82	90mA	0.62		5.140/0.090				0.46	74.10%
0.124	0.2385	69.35	550mA	3.39		5.127/0.550				2.82	83.19%
0.178	0.2995	78.49	1A	6.14		5.114/1.000				5.11	83.28%
0.212	0.3758	81.33	1.5A	9.18		5.099/1.500				7.65	83.30%
0.335	0.4882	82.59	3A	18.80		5.053/3.002				15.17	80.67%

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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