

80 PLUS Verification and Testing Report

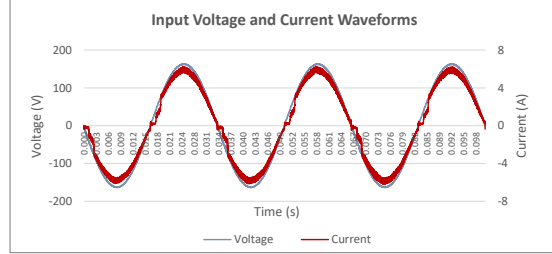
TYPICAL EFFICIENCY (50% Load):	91.15%
AVERAGE EFFICIENCY :	85.47%
AVERAGE STANDBY EFFICIENCY :	76.90%
80 PLUS COMPLIANT:	Gold



ID Number	7954
Manufacturer	ADATA
Model Number	KYBERII850GOLD
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	8/28/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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



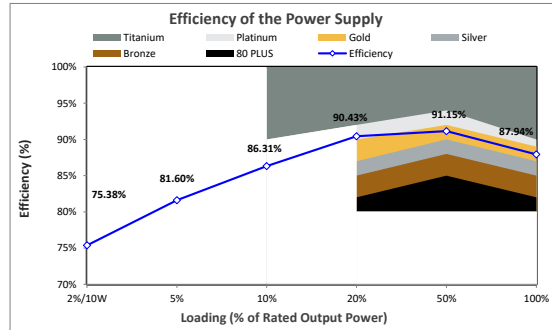
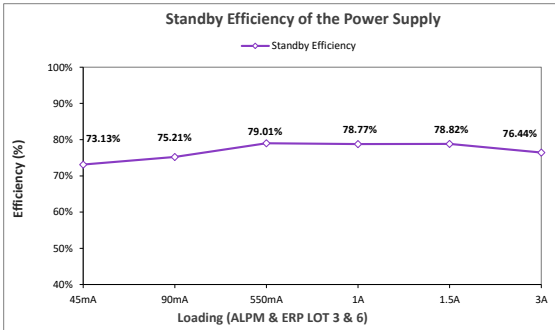
Input AC Current Waveform (ITHD = 6.31%, 50% Load)

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.)						
					No-Load						
0.298	0.0823	40.53	0%	2.82							
0.472	0.4176	75.44	2%/10W	22.66	12.045/1.220	11.930/0.005	3.350/0.249	5.017/0.249	5.142/0.052	17.08	75.38%
0.493	0.9231	28.10	5%	52.32	12.045/3.047	11.934/0.013	3.350/0.622	5.017/0.622	5.137/0.129	42.70	81.60%
0.893	0.9630	17.72	10%	98.92	12.045/6.090	11.937/0.026	3.351/1.243	5.016/1.243	5.129/0.258	85.37	86.31%
1.679	0.9779	9.05	20%	188.82	12.044/12.180	11.944/0.052	3.352/2.487	5.016/2.487	5.115/0.516	170.74	90.43%
4.080	0.9971	6.31	50%	468.08	12.037/30.448	11.964/0.129	3.356/6.218	5.016/6.218	5.069/1.290	426.65	91.15%
8.453	0.9982	3.88	100%	969.91	12.033/60.893	12.000/0.258	3.364/12.434	5.016/12.434	4.992/2.580	852.94	87.94%

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					
0.276	0.0012	4.11	0mA	0.04	5.139/0.045					
0.292	0.0094	12.92	45mA	0.32	5.137/0.090				0.23	73.13%
0.106	0.0504	17.26	90mA	0.61	5.123/0.550				0.46	75.21%
0.135	0.2299	59.85	550mA	3.57	5.109/1.000				2.82	79.01%
0.250	0.2256	72.99	1A	6.48	5.093/1.500				5.11	78.77%
0.239	0.3526	80.66	1.5A	9.69	5.043/3.001				7.64	78.82%
0.378	0.4551	84.00	3A	19.80					15.14	76.44%

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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