80 PLUS Verification and Testing Report

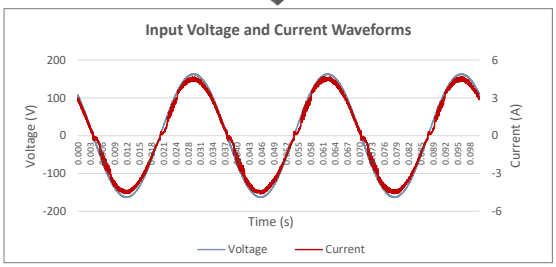
TYPICAL EFFICIENCY (50% Load):	91.20%
AVERAGE EFFICIENCY :	84.65%
AVERAGE STANDBY EFFICIENCY :	76.87%
80 PLUS COMPLIANT:	Gold



ID Number	7952
Manufacturer	ADATA
Model Number	KYBERII650GOLD
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	8/27/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



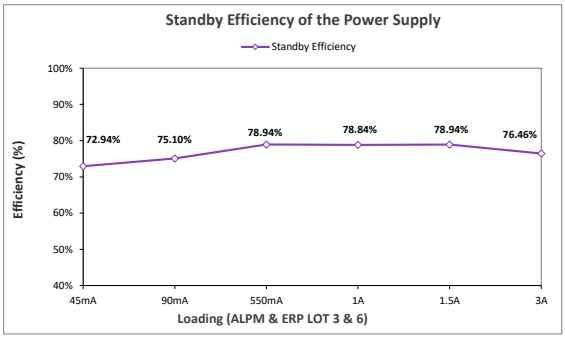
Input AC Current Waveform (ITHD = 4.97%, 50% Load)

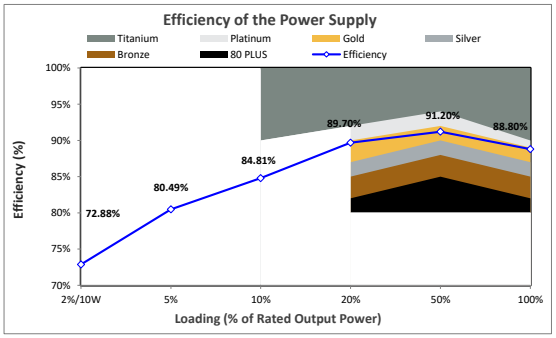
I_{RMS} (A)	PF	I_{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5VSB		
0.263	0.0919	37.62	0%	2.77	No-Load						
0.408	**0.3841**	75.28	2%/10W	18.01	12.121/0.894	11.972/0.005	3.348/0.239	5.014/0.239	5.145/0.050	13.13	**72.88%**
0.372	**0.9540**	23.14	5%	40.78	12.120/2.233	11.974/0.012	3.347/0.597	5.013/0.597	5.141/0.124	32.82	**80.49%**
0.686	**0.9806**	13.63	10%	77.36	12.118/4.463	11.977/0.025	3.347/1.194	5.012/1.194	5.134/0.248	65.61	**84.81%**
1.290	**0.9859**	8.41	20%	146.26	12.115/8.924	11.982/0.050	3.347/2.389	5.012/2.389	5.121/0.496	131.19	**89.70%**
3.130	**0.9981**	4.97	50%	359.28	12.101/22.311	11.998/0.124	3.347/5.973	5.012/5.974	5.080/1.240	327.67	**91.20%**
6.451	**0.9983**	3.55	100%	736.88	12.084/44.616	12.024/0.248	3.346/11.946	5.010/11.946	5.015/2.479	654.36	**88.80%**

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		
0.241	0.0012	14.65	0mA	0.03	Vampire Load		
0.294	**0.0094**	13.54	45mA	0.32	5.157/0.045	0.23	**72.94%**
0.098	**0.0546**	17.66	90mA	0.62	5.156/0.090	0.46	**75.10%**
0.124	**0.2514**	59.97	550mA	3.58	5.142/0.550	2.83	**78.94%**
0.189	**0.3007**	74.30	1A	6.50	5.128/1.000	5.13	**78.84%**
0.212	**0.3980**	79.98	1.5A	9.71	5.113/1.500	7.67	**78.94%**
0.365	**0.4732**	84.15	3A	19.88	5.063/3.002	15.20	**76.46%**

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.
https://www.clearesult.com/80plus/ [clearesult.com]