

80 PLUS Verification and Testing Report

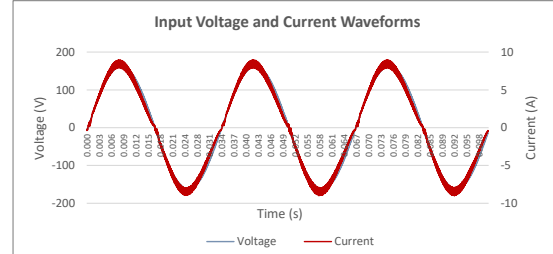
TYPICAL EFFICIENCY (50% Load):	92.64%
AVERAGE EFFICIENCY :	87.41%
AVERAGE STANDBY EFFICIENCY :	78.83%
80 PLUS COMPLIANT:	Platinum



ID Number	7992
Manufacturer	Antec
Model Number	X8000A589EU-25
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V, ATX 3.1, EPS12V
Test Date	10/1/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	15-7.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	1200	Watts

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



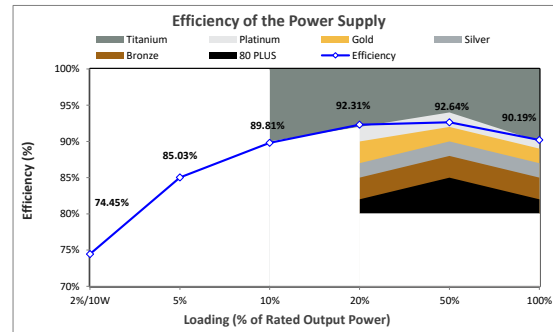
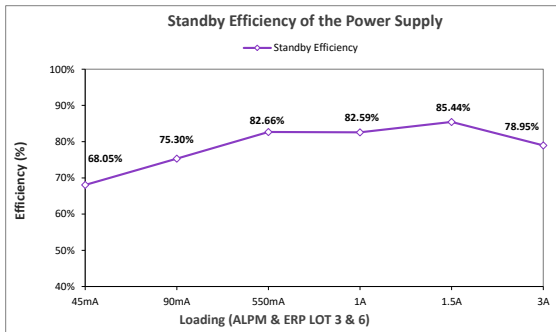
Input AC Current Waveform (ITHD = 5.59%, 50% Load)

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		
0.131	0.3244	68.62	0%	4.86							
0.335	0.8456	32.79	2%/10W	32.56	12.105/1.794	12.095/0.005	3.353/0.259	5.112/0.259	5.137/0.054	24.24	74.45%
0.646	0.9580	13.72	5%	71.29	12.109/4.483	12.096/0.013	3.353/0.648	5.112/0.648	5.132/0.135	60.61	85.03%
1.194	0.9820	8.30	10%	134.97	12.112/8.962	12.096/0.027	3.353/1.295	5.111/1.296	5.124/0.269	121.21	89.81%
2.314	0.9875	8.84	20%	262.73	12.116/17.927	12.099/0.054	3.353/2.591	5.111/2.592	5.108/0.538	242.53	92.31%
5.713	0.9959	5.59	50%	654.29	12.115/44.820	12.106/0.135	3.348/6.479	5.105/6.480	5.058/1.345	606.15	92.64%
11.729	0.9950	3.89	100%	1342.07	12.102/89.635	12.124/0.269	3.339/12.960	5.091/12.960	4.972/2.689	1210.46	90.19%

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						
0.088	0.0053	50.37	0mA	0.06							
0.081	0.0365	52.42	45mA	0.34						0.23	68.05%
0.074	0.0719	47.88	90mA	0.61						0.46	75.30%
0.097	0.3047	69.46	550mA	3.41						2.82	82.66%
0.130	0.4151	76.66	1A	6.19						5.12	82.59%
0.169	0.4620	79.13	1.5A	8.95						7.65	85.44%
0.398	0.4201	80.30	3A	19.20						15.16	78.95%

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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