

80 PLUS Verification and Testing Report

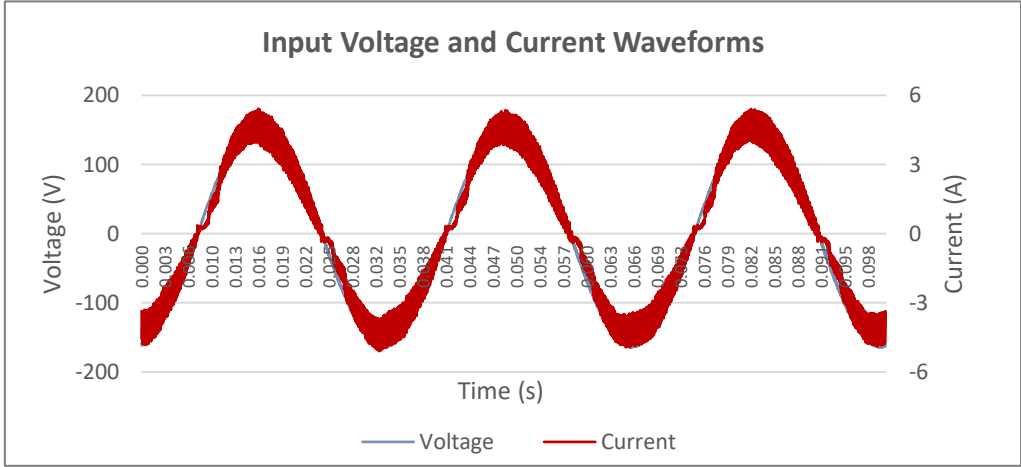
TYPICAL EFFICIENCY (50% Load):	92.12%
AVERAGE EFFICIENCY :	87.77%
AVERAGE STANDBY EFFICIENCY :	81.17%
80 PLUS COMPLIANT:	Gold



ID Number	7882
Manufacturer	APNX
Model Number	ANPS-2506
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX12V
Test Date	6/26/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



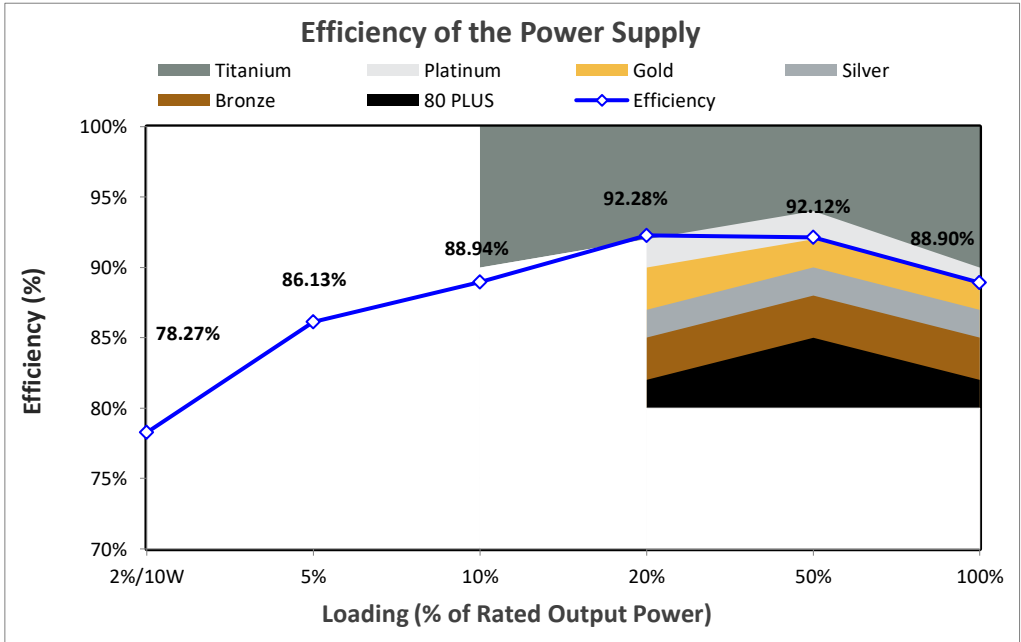
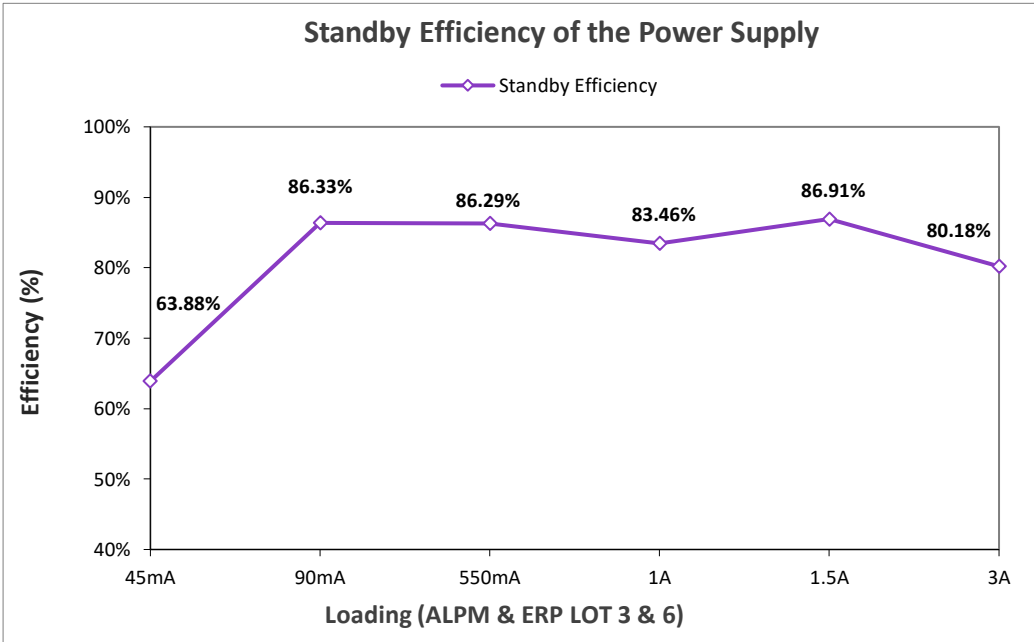
Input AC Current Waveform (ITHD = 10.58%, 50% Load)

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.)	3.3V	5V	5VSB		
0.093	0.1697	21.84	0%	1.88	No-Load					
0.256	0.5659	52.78	2%/10W	16.66	12.022/0.923	3.300/0.205	5.078/0.204	5.142/0.051	13.04	78.27%
0.383	0.8589	44.42	5%	37.85	12.021/2.304	3.298/0.512	5.076/0.512	5.139/0.127	32.60	86.13%
0.667	0.9552	25.97	10%	73.29	12.019/4.605	3.296/1.021	5.074/1.021	5.134/0.255	65.18	88.94%
1.253	0.9798	18.91	20%	141.21	12.015/9.208	3.290/2.045	5.067/2.045	5.125/0.510	130.31	92.28%
3.095	0.9922	10.58	50%	353.06	12.002/23.017	3.273/5.116	5.048/5.116	5.096/1.275	325.26	92.12%
6.359	0.9973	5.50	100%	729.44	11.976/46.025	3.241/10.233	5.014/10.233	5.046/2.548	648.48	88.90%

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			
0.062	0.0112	12.81	0mA	0.08	Vampire Load			
0.067	0.0473	36.67	45mA	0.36	5.153/0.045		0.23	63.88%
0.076	0.0618	57.76	90mA	0.54	5.152/0.090		0.46	86.33%
0.113	0.2542	79.92	550mA	3.28	5.142/0.550		2.83	86.29%
0.179	0.2986	88.90	1A	6.15	5.132/1.000		5.13	83.46%
0.252	0.3061	89.63	1.5A	8.83	5.118/1.500		7.68	86.91%
0.368	0.4502	87.14	3A	19.03	5.082/3.003		15.26	80.18%

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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