

80 PLUS Verification and Testing Report

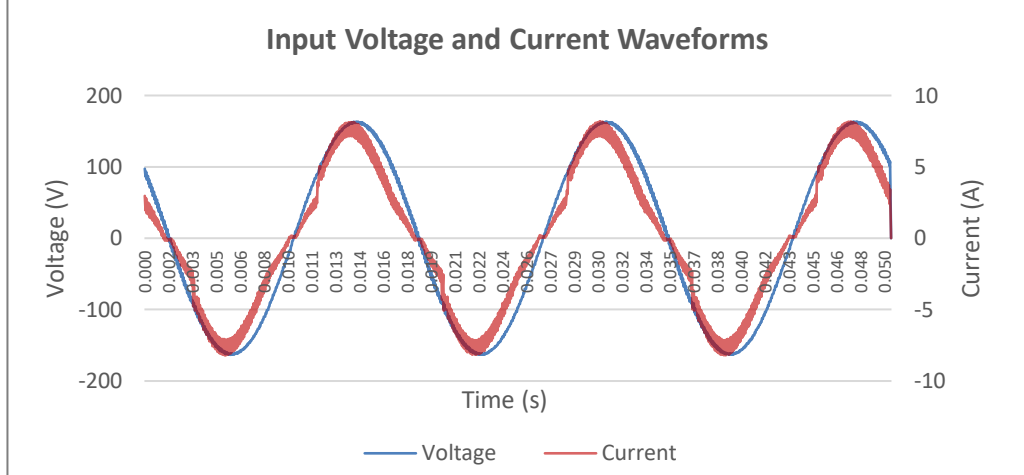
TYPICAL EFFICIENCY (50% Load):	91.46%
AVERAGE EFFICIENCY :	87.96%
AVERAGE STANDBY EFFICIENCY :	76.27%
80 PLUS COMPLIANT:	Gold



ID Number	7695
Manufacturer	Ocybus
Model Number	P1000-GF
Sample 1 S/N:	N/A
Sample 2 S/N:	N/A
Type	ATX 3.1
Test Date	1/5/25

Rated	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



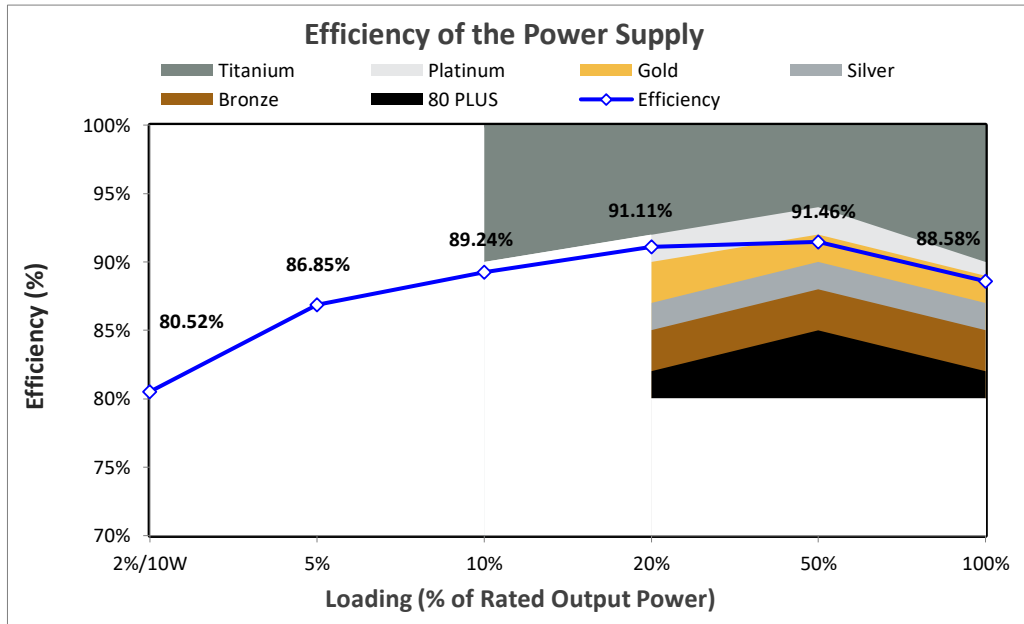
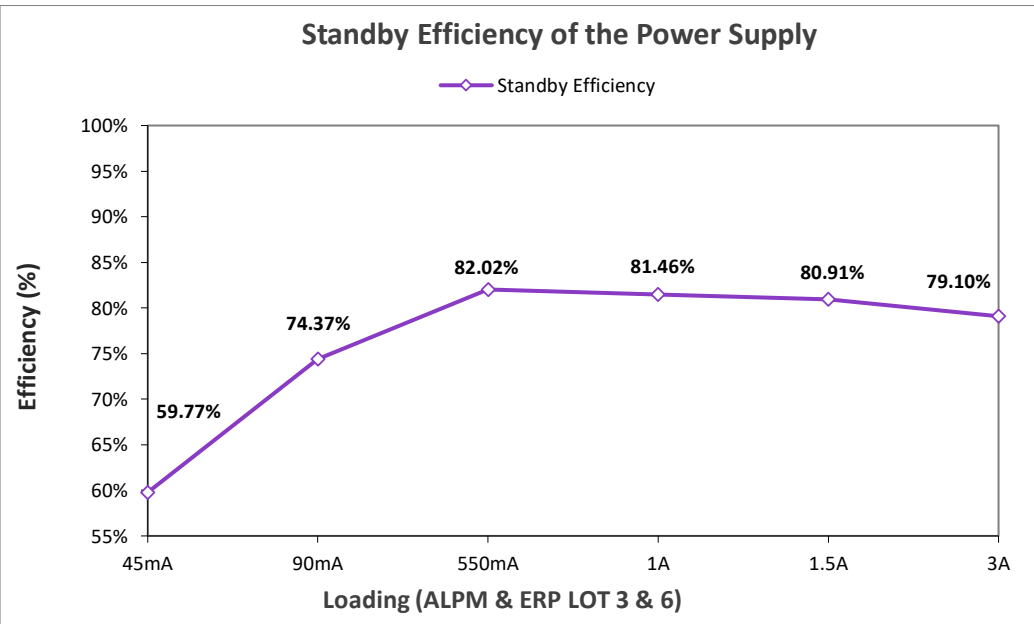
Input AC Current Waveform (ITHD = 14.85%, 50% Load)

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		
0.099	0.2148	20.99	0%	2.45	No-Load						
0.282	0.7713	24.81	2%/10W	25.00	12.065/1.492	11.995/0.005	3.337/0.216	5.039/0.215	5.096/0.054	20.13	80.52%
0.546	0.9219	14.84	5%	57.88	12.060/3.727	12.024/0.013	3.342/0.539	5.038/0.539	5.048/0.134	50.27	86.85%
1.017	0.9629	12.80	10%	112.65	12.060/7.453	12.073/0.027	3.350/1.078	5.035/1.077	4.969/0.268	100.52	89.24%
1.961	0.9784	13.76	20%	220.72	12.075/14.902	12.168/0.054	3.363/2.155	5.028/2.155	4.805/0.537	201.11	91.11%
4.885	0.9837	14.85	50%	552.64	12.132/37.251	12.387/0.134	3.396/5.388	5.076/5.387	4.846/1.342	505.46	91.46%
10.070	0.9889	12.39	100%	1145.29	12.182/74.495	12.654/0.268	3.311/10.775	5.142/10.775	4.804/2.682	1014.45	88.58%

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			
0.065	0.0090	2.92	0mA	0.07	Vampire Load			
0.070	0.0480	14.63	45mA	0.39	5.131/0.045		0.23	59.77%
0.084	0.0640	23.22	90mA	0.62	5.127/0.090		0.46	74.37%
0.128	0.2311	67.42	550mA	3.41	5.077/0.550		2.79	82.02%
0.184	0.2915	79.21	1A	6.17	5.026/1.000		5.03	81.46%
0.229	0.3491	82.95	1.5A	9.20	4.962/1.500		7.44	80.91%
0.358	0.4584	84.53	3A	18.87	4.970/3.003		14.92	79.10%

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]